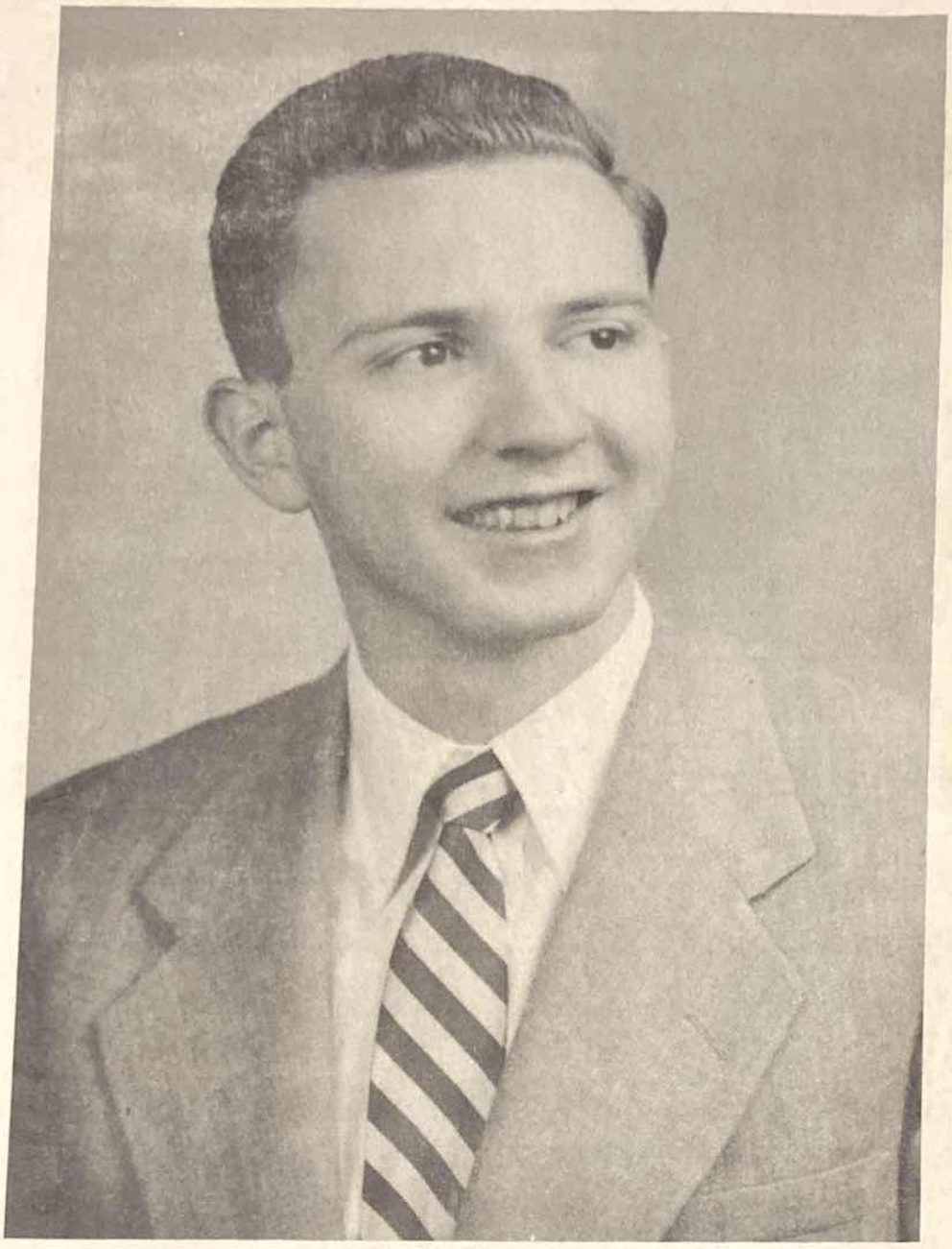
The CABLE

1952



In Memoriam

Herbert Ebenfield

February 26, 1933 - July 25, 1952

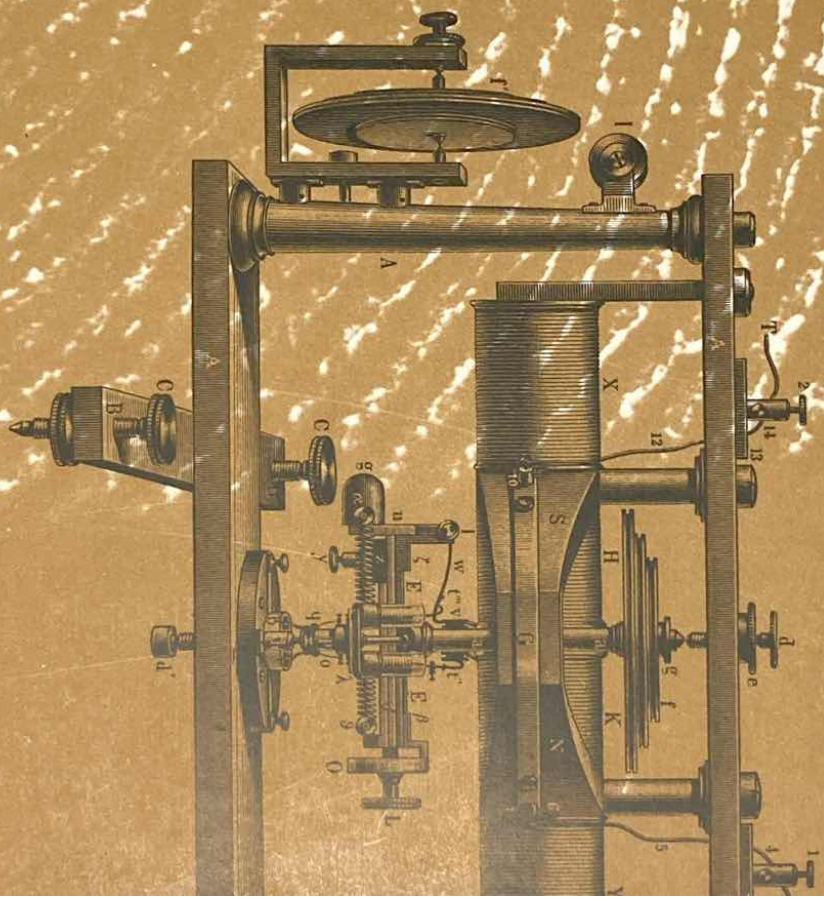
DESIGN

the cable

The great object I desire to accomplish by the establishment of an institution devoted to the advancement of science and art is to open the volume of nature by the light of truth

Peter Cooper 1859

1951-52



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trustees and administration

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Gano Dunn, Chairman

Irving S. Olds

Harrison Tweed

Barkie Henry

Hudson R. Searing

Edwin S. Burdell

Dana P. Vaughan

Norman L. Towle

DESIGN IN ART AND SCIENCE

The theme of the 1952 yearbook "Design" is very significant for many reasons. Design is the basis of all civilization. Without it life has no pattern or goal and would be haphazard indeed. Design means to plan mentally and fashion according to a plan and execute as a whole. It is the preliminary conception of an idea that is to be carried into effect by action. Design is in the forefront whether the life be political, philosophic, devoted to art or engineering, in management, labor, or just in living.

We have just celebrated the 500th Anniversary of the Birth of Leonardo da Vinci, with a series of lectures in the Great Hall. He was a designer and inventor who was centuries ahead of his time. His work shows the union of science and art.

Our own benefactor, Peter Cooper had a design for life. Not only was he a designer and inventor but he conceived the plan for the institution which bears his name and carried it into effect by action.

Cooper Union has developed its proportionate share of designers. In viewing the passing parade of our graduates of the Art and Engineering Schools over the past twenty-five years, many names come to mind of our outstanding designers. In the engineering field the names of these men in many cases are associated with the products of their ingenuity in design. Some of these designs and inventions have revolutionized the operations and efficiencies in manufacturing and power companies. Our Art graduates have also made their mark in design in their respective fields of ceramics, textiles, sculpture, interiors, books and architecture.

With the fine training that our Art and Engineering students receive, Cooper Union will continue to be the source and inspiration for our graduates to go forth and take their places as the designers of the future.

Herbert J. Rasmussen

An idyllic retreat, sanctuary from

the noise and crowds of the city.

green

The tiredness and frustrations of school

spread over one thousand acres

of green serenity nestled in the

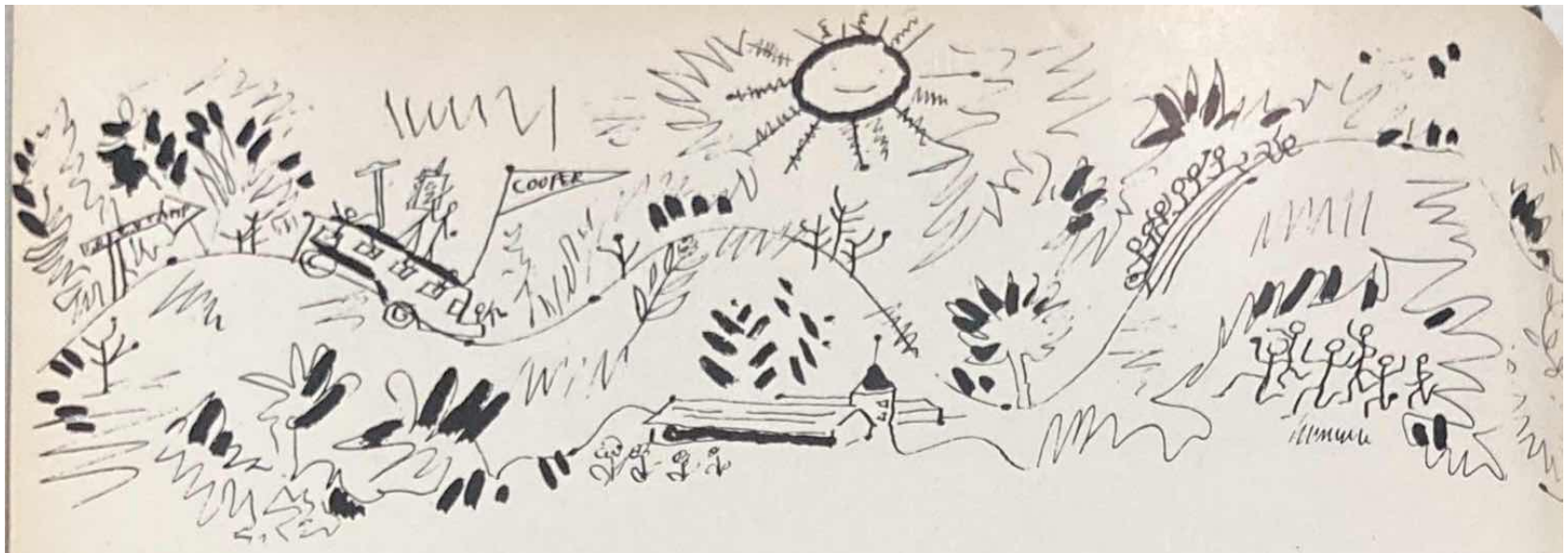
quiet of New Jersey. A playground

for the restless, a haven for the

aesthetics, hell for the C.E.'s.

camp

Two weeks to capture the spirit and create canvas memories of the campus phase of Cooper life.

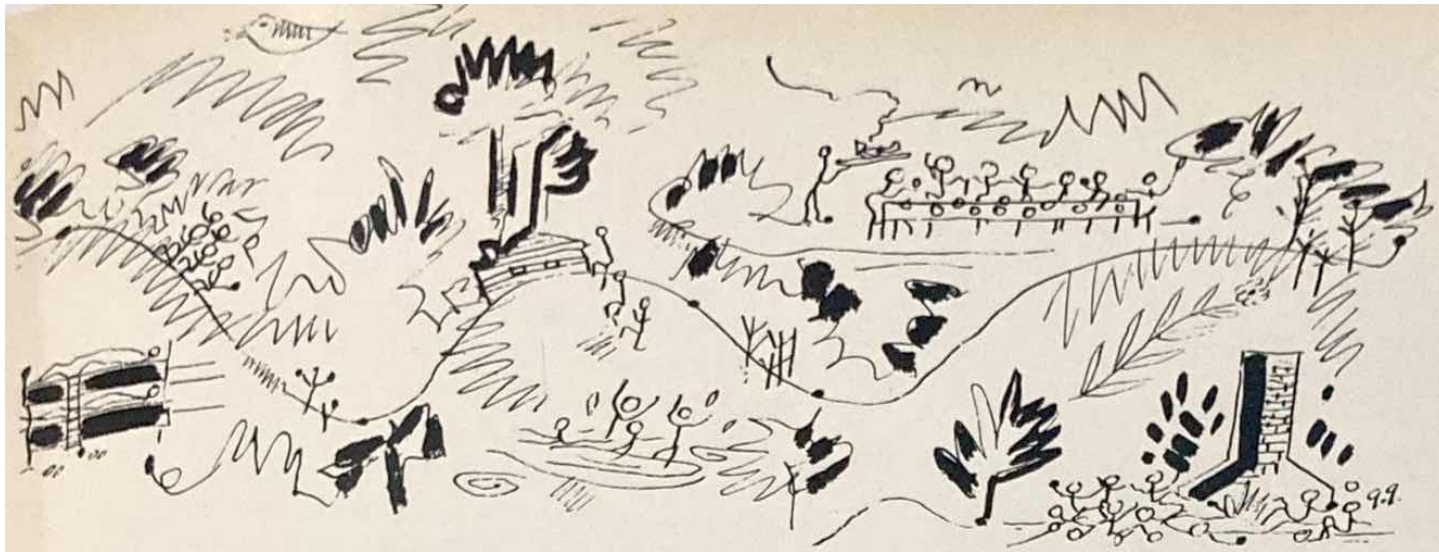


Just outside the back door of the Foundation Building lies Cooper Square Park, an area just large enough to contain Peter Cooper's statue and four slim students, standing upright. Although this space is ample for ordinary purposes, occasionally there comes the urge to do something a little different from standing upright, such as sitting down, or even waving one's arms. When a student gets this feeling, he or she signs up with an appropriate group and travels up to Green Engineering Camp, one thousand acres of sheer Cooper Union located in the Ramapo Mountains of New Jersey.

It is called Green Engineering Camp not because it is a haven for green engineers, although it is that, but because it was donated to The Cooper Union by Norvin Hewitt Green in 1940. The place is used by the engineering school to teach surveying, and by the art school to instruct a carefully selected group in landscape painting. Other uses are: Hiking, rifle matches, staff and alumni outings, plus informal weekend trips of groups of students who are just out for a good time. There is a long record of students going up to Camp for rest and relaxation, but nowhere is it mentioned that anyone ever found any. However, most participants in a weekend trip are completely recovered by the following Thursday.

In addition, the use of the Camp is granted to other engineering schools for parts of the summer. It is therefore no wonder that, although the camp site has a history dating back to before the Revolution, more history has been made there during the past twelve years than in the two hundred preceding.

Great changes in the property have been made since The Cooper Union took



over. A barn that used to hold prize Guernsey cows needed a good deal of remodelling before it was fit to house prize Cooper students. Facilities available now include, besides a lounge, classrooms, surveying instruments and drafting equipment, pingpong, sports equipment, a softball field, volleyball and badminton courts, toboggans, a basketball hoop, and a swimming pool, the latest addition. Plans are going forward for a regulation basketball court, tennis courts and an ice and roller rink.

With all the intensive use of the Camp, visitors are always amazed at the good order in which everything is found. Taps work, windows open without a struggle, rooms are never too cold, lawns are always well mowed and clear of debris. Everything is in its proper place. This is the work of Mr. Harry West, superintendent of the Camp, who does a magnificent job, and Prof. J. M. Peterson, Camp supervisor. These two men, and many others whom we do not have space to mention, make sure that the reaction of the student seeing the place for the first time is always the same:

"Why can't we move the school up here?"

the library

The Library is divided into several units. The Engineering Library is the focal point for the engineers. The technical reference books line the walls and provide information for solving problems and compiling laboratory reports. For Artists, the Art School Library and Museum Library provide collections of books, pictures and periodicals, domestic and foreign, dealing with every phase of art including history, painting, sculpture, architecture, typography, lettering, and textiles. In addition, there are many popular art magazines for lighter reading. To provide a diversion from the required reading,

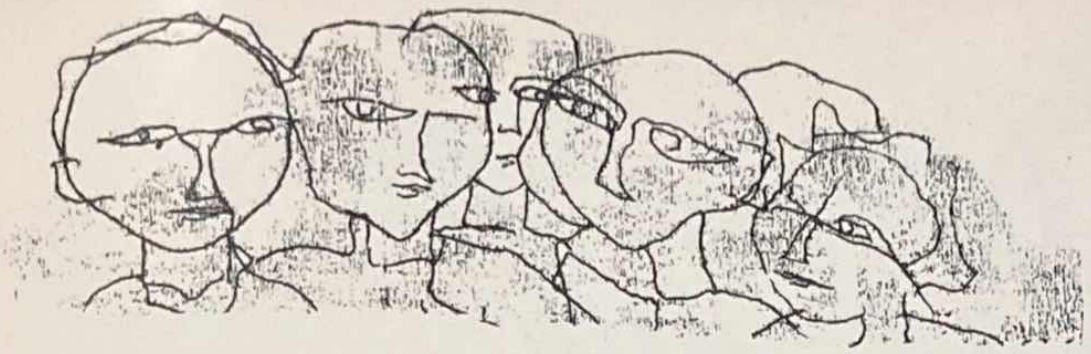
the Browsing Room was set up. Comfortable chairs and congenial atmosphere provide a place to read. chat, catnap, depending upon individual preference.

the museum

The Museum for the Arts of Decoration, regularly used by other schools and outsiders, often remains undiscovered by engineering students. Located on the fourth floor, the Museum offers exhibitions reflecting the interrelation of science, art, and social philosophy; a Library containing books on decorative art; and a Scrapbook Room offering over half a million classified clippings and items. There are more unusual collections such as wallpaper, buttons, hatboxes, and bird cages. Many of the exhibitions in the Museum are correlated with courses given by the Humanities Department and members of the Museum Staff often give pertinent illustrated lectures to the students. The Scrapbook Room offers a plethora of suggestions and ideas to the Art students and many of them spend a good part of their Cooper existence under the fluorescent lighting there. The stylist looking for historic documents, the designer wanting a springboard for fresh flights of imagination, the consumer wishing to sharpen his perceptions. the student seeking knowledge of design—such are those for whose convenience and pleasure the Museum was created.

the forum

JOHN AHEARN



THE FORUM.....

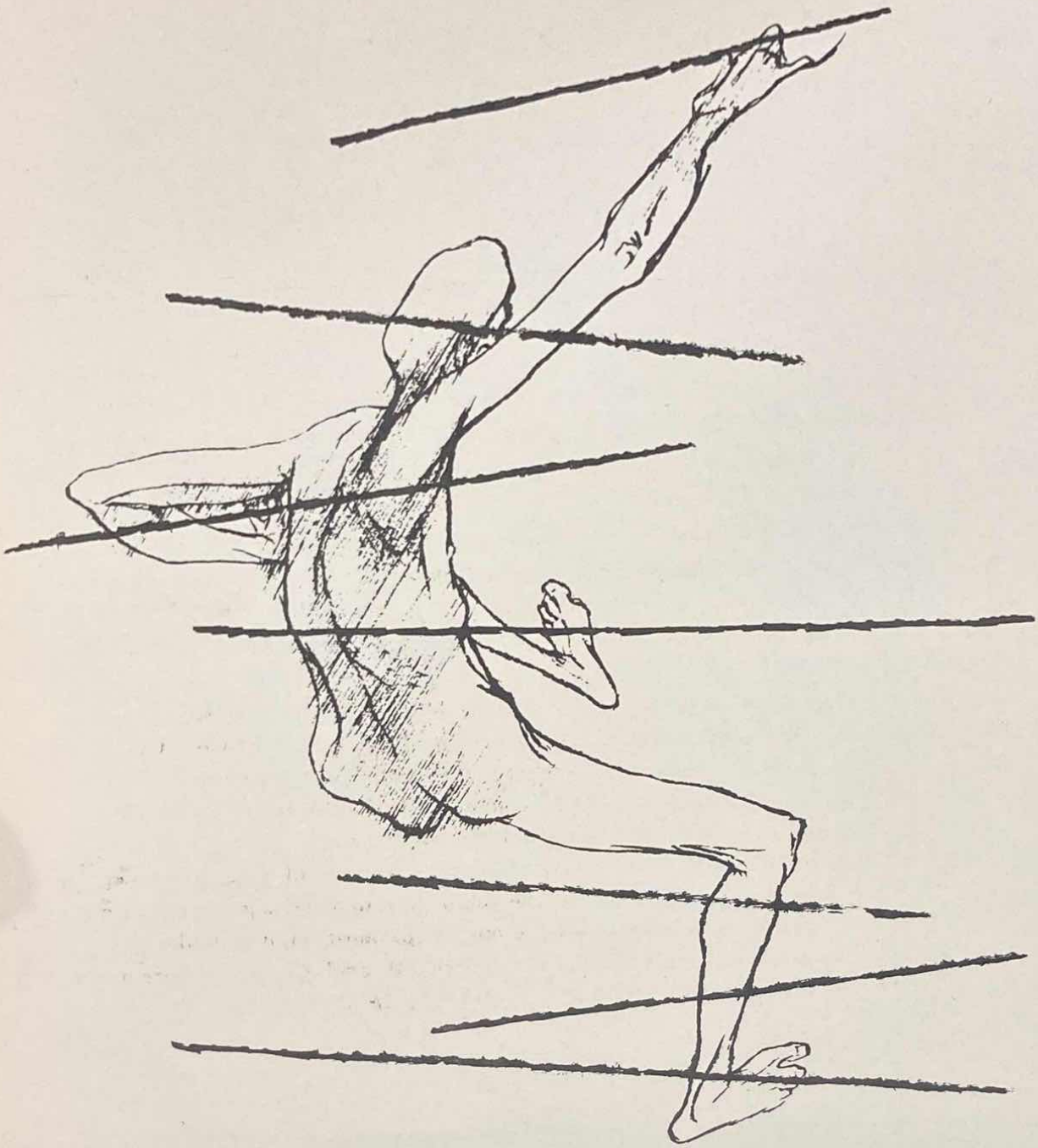
Under the direction of the Dept. of Social Philosophy, as it has been since 1937, the Forum this year offered a series of short courses for young adults in addition to the thrice-weekly lectures in science, public affairs, and the arts.

During the first semester, the courses given were "United We Stand", a course in intergroup relations in association with the National Conference of Christians and Jews, a psychological study, "FEAR AND ANXIETY", and the usual Friday evening courses in "MUSIC, DANCE, and OPERA".

The second semester featured three interesting and diversified topics.

On Sunday evenings, LOOKING AHEAD IN EDUCATION, a series on education presented speakers such as Major General Louis B. Hersey, Wayne Coy, chairman of the F.C.C., and Luther Evans, the librarian of Congress, in addition to many well known educators.

"THE MALE OF THE SPECIES", a study of male psychology, presented on Tuesday evenings the companion to a series given a year ago on "WOMEN" which proved to be one of the most popular topics in the ninety-two year history of the FORUM. Friday evenings were again given to "MUSIC, DANCE, and OPERA".



the art school

The thorough screening for admissions . . .

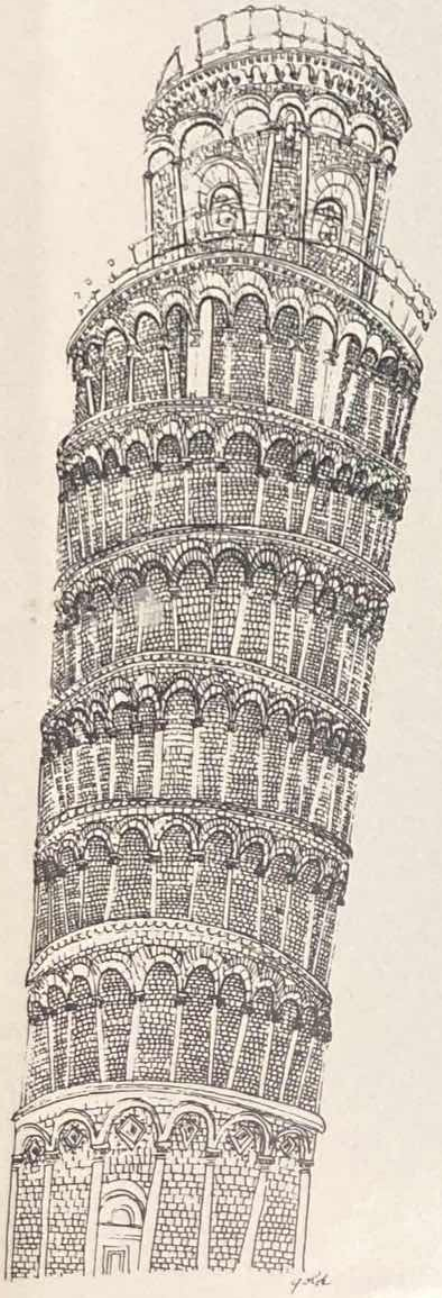
the brain wrecking at the entrance exams . . .

the physicals . . . the X-Rays then; at

last we were freshmen! . . . the students were

rugged individualists, bohemians, intellectuals, gifted and wonderful . . . the instructors . . . brainy, witty, domineering, understanding, demanding, friendly and highly respected . . . Architecture assignments that ruined sleeping habits . . . Dr. Zucker's fabulous Art History lectures . . .

fine arts



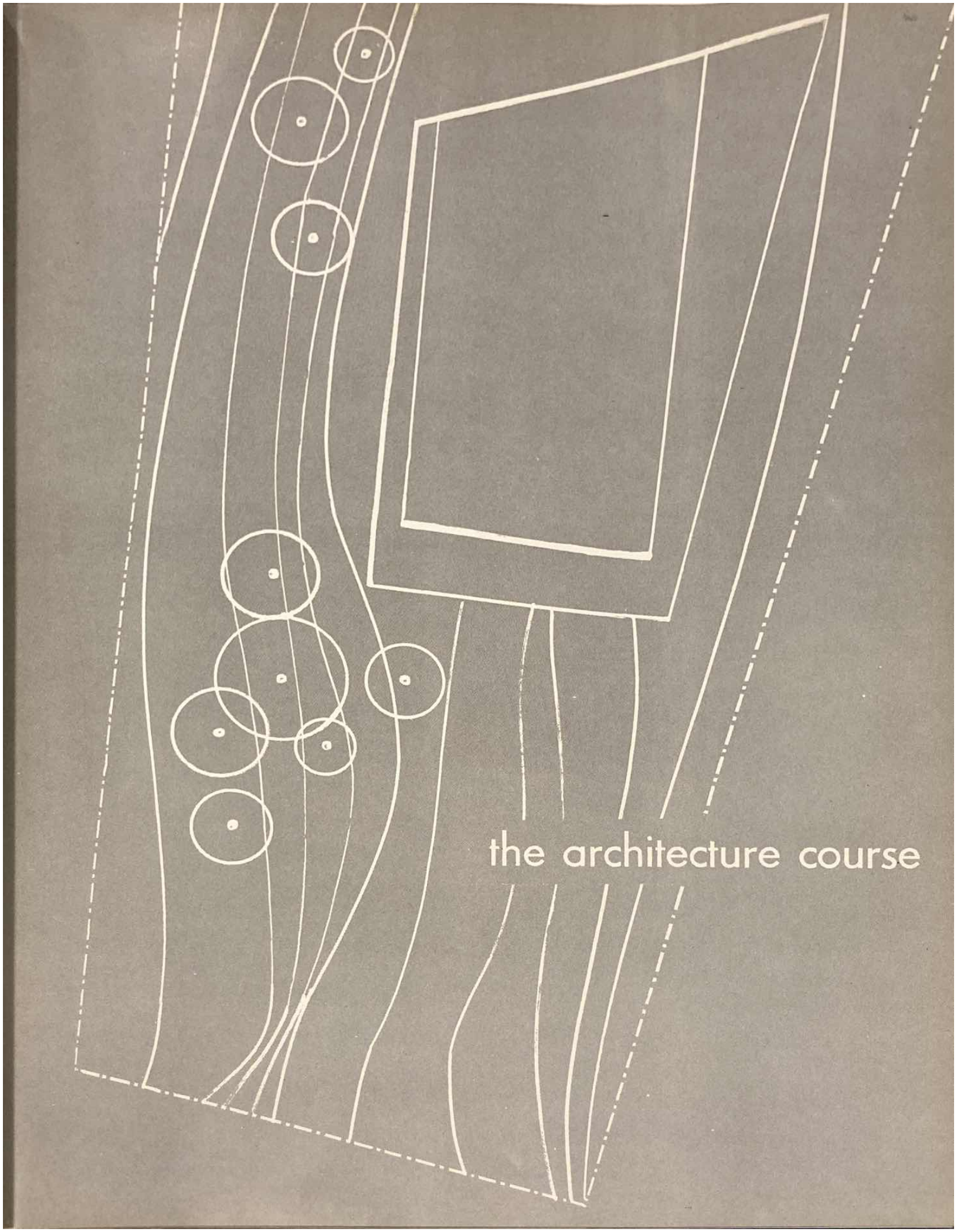
graphic arts

probations . . . parties . . . and lunch at 13 Astor Place . . . Terra-cotta stained hands . . . plaster under the fingernails . . . Summer vacation . . . September, and the return to classes as Juniors without the innocent naivete of first year things . . . Two Dimensional Design . . . Aesthetics lectures from Dr. Zucker . . . probations . . . more parties . . . dances . . . Green Camp . . . The Forum . . . lunch at Sagamore, Arthur's,

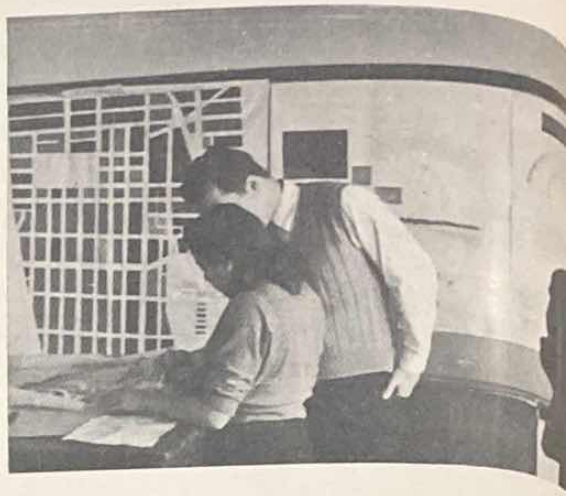
Sol's, 13 Astor Place . . . foreign movies . . . the
Village . . . Exhibits . . . Photography . . .
Typography . . . the air of fatality about a
summons to Dean Vaughn's office that booms
out of the inter-com . . . friends leaving the fold
to marry, work, enter the service . . . half-hour
breaks . . . the Third Avenue El, the last bit
of Old New York . . . folk songs . . . A.P. Dances . . .
the glorious two weeks of Landscape Painting at
Green Camp, where the "shaft" was born . . . then
Summer vacation . . . Fall . . . time to triumphantly
commence the Senior year . . . classes have dwindled
in size . . . Freshman girls, plump and healthy . . .
Fullbright Scholarships . . . conference with
Professor Shaw . . . painting on canvas . . .
Mr. Zarchen and the physical education torture . . .
the Bal Masque Publicity . . . A.P., Christmas Dance
. . . New Year's Eve brawls, beer for lunch . . .
overdue books from the library . . . the Museum Piece
. . . intellectual discussions . . . bells at the
breaks . . . mass probations . . . latenesses and
absences . . . Senior week-end "orgy" at Green Camp
. . . excellent courses like "Contemptible Thought"
. . . then Graduation . . . No Dear Lord, No!

to paint is to paint

is to paint . . . .



the architecture course

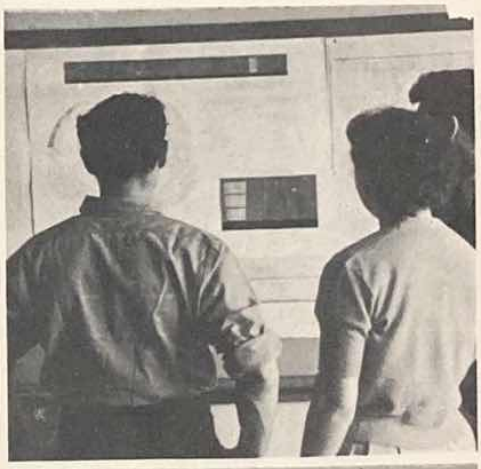


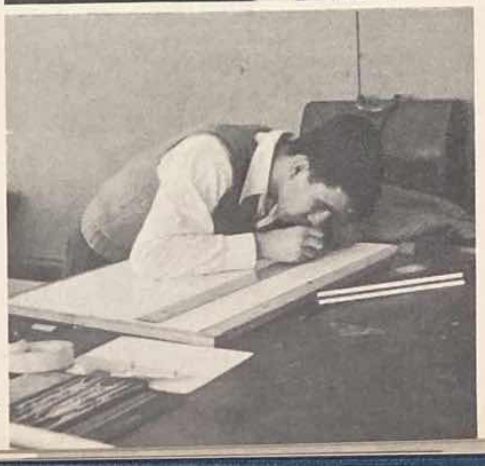
the architecture course

Of those in the current graduating class of architects, it is probable that only a small percentage will eventually find their names ranked with those of Frank Lloyd Wright, Norman Bel Geddes, or Corbusier. The remainder will not attain such fame, but will nevertheless find creditable places for themselves in the profession, if the past performances of Cooper graduates is any indication of what may be expected.

The architecture course here at Cooper is a rugged one; a mixture of the art and engineering schools. Involving many of the design and aesthetic features of the art school in the freshman year, as the course progresses, the

architects are subjected to higher mathematics, structures, and other aspects of Civil Engineering.
The life of the architectural student at Cooper is a strange one. He meets engineers who tolerate him in spite of his artistic leanings and artists who cultivate his friendship in spite of his technical tendencies. Their addiction to drawing boards and T-Squares, the computations involved in their work, and their omnipresent apprehensions about imminent flunking make them brothers under the skin to the engineers. The architect is different, however, while his mind is open to practical considerations, his artist's imagination is unbridled and free to explore the remotest regions of his personality. The architect at Cooper is an engineer among artists and an artist among engineers.
Whereas after graduation most engineers and artists are prepared to seek gainful or other employment, most architectural students find it necessary to acquire two or more years of schooling before they can enter the field.
The ready acceptance of Cooper graduates by such architectural schools as those at Yale, Carnegie, and MIT attests to the quality of both course and student.

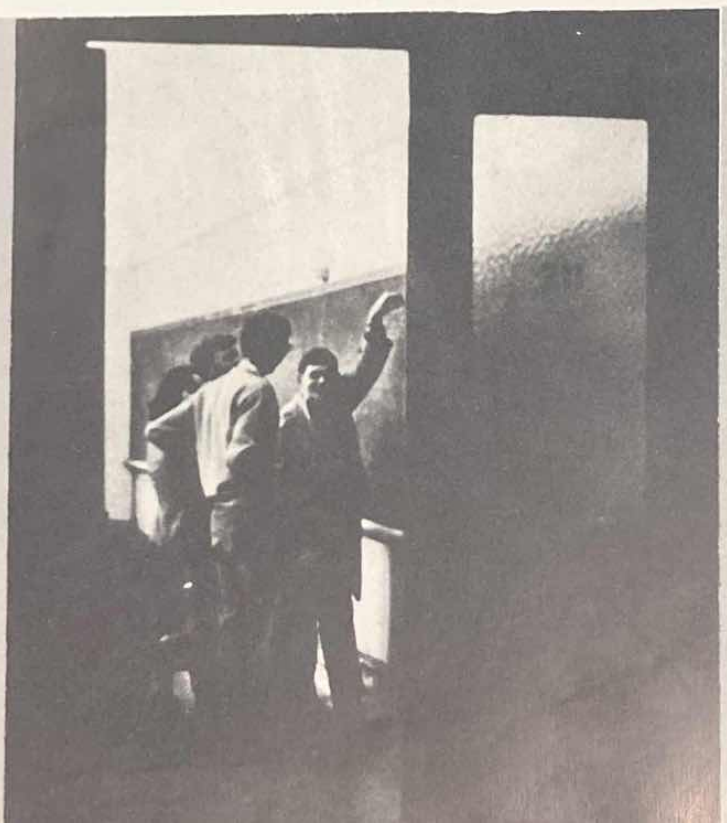




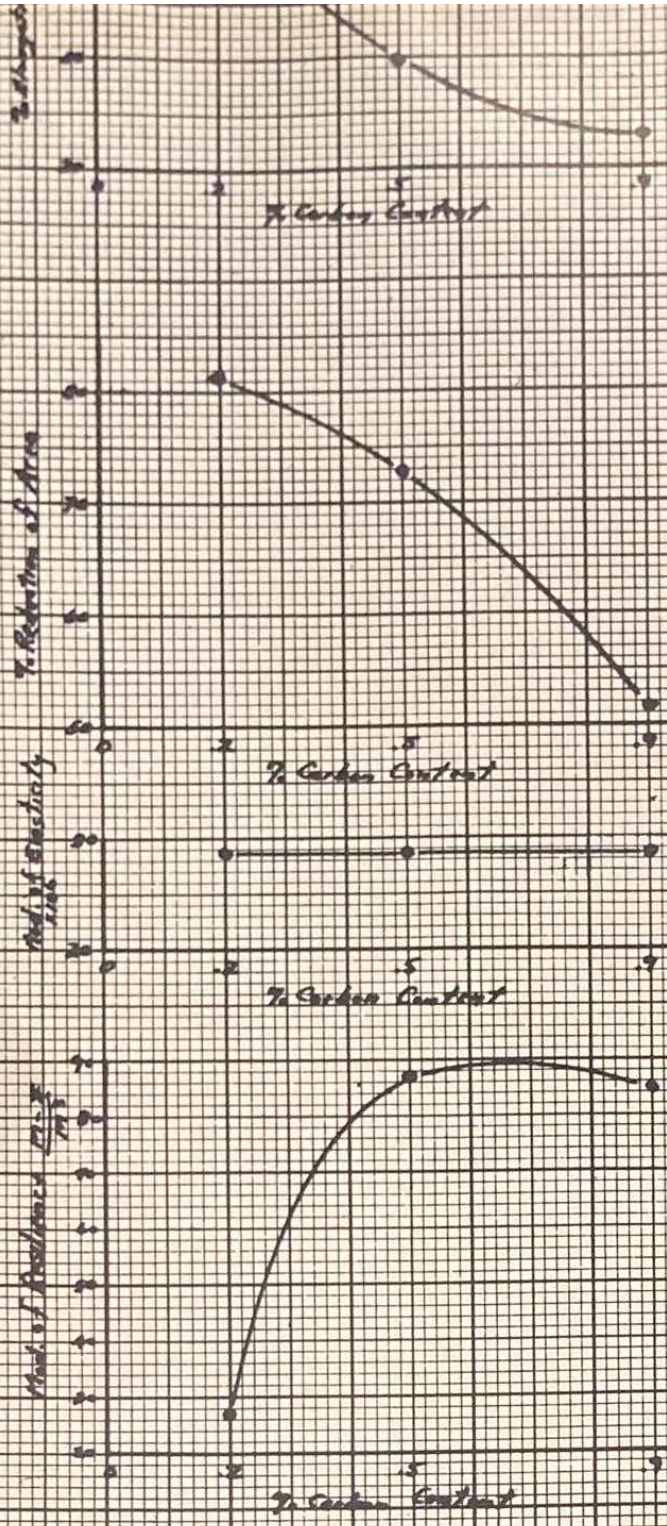
Commencement marks the beginning of a
time when you will be more completely independent.
As maturing citizens you will find life's problems are more
complex than those treated in the classroom,
and that right answers are less clearly defined.
The responsibilities of men and women who
like yourselves have had the advantage of
higher education are large, because as leaders
your influence will properly carry weight.
I hope you will draw upon the wisdom of Peter Cooper,
emulate his unselfish consideration for others,
and act with his moral and spiritual faith.

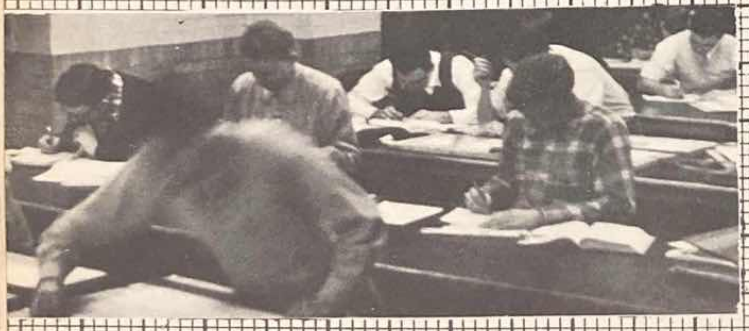
Dean Towle

engineering school



The facts, fundamentals, and techniques of applied science are learned and developed in the classroom and the laboratory. The student is trained to think directly, analytically, and concisely—to apply the laws and properties of nature for the betterment of the physical world.



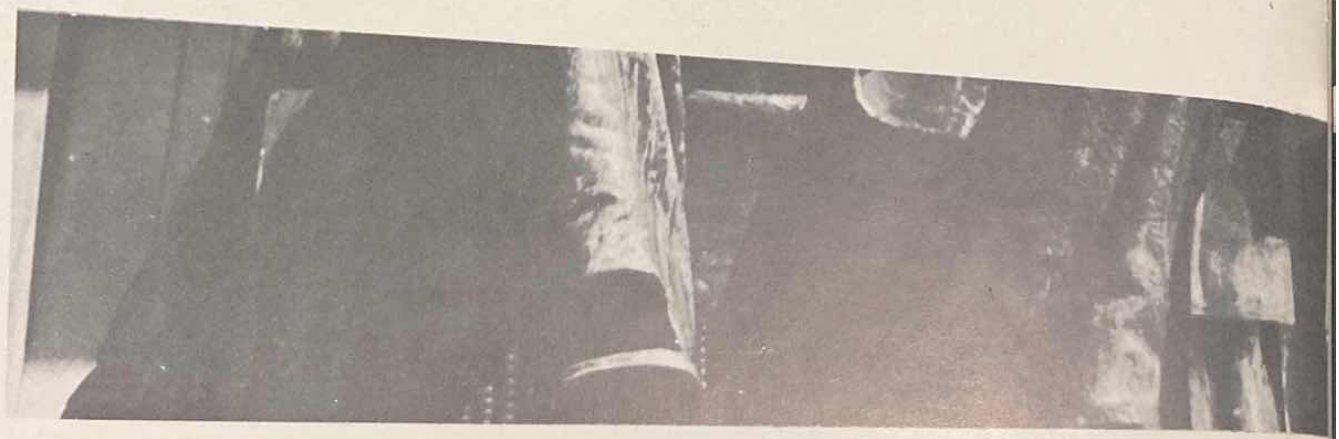


The Effect of Carbon Content on Properties of Steel

Student Author

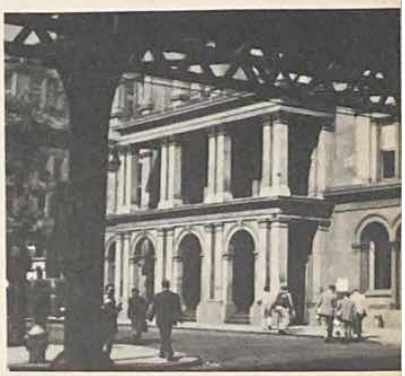
recorded moments

recorded moments



Different from anything you had done before, different from anything you will do later, such has been your life at Cooper. The years that you spent eating lunch in the warmth of Peter Cooper's bronze smile, the phrenetic jabbering during the clatches in the lounge, and the amiable intimacy of an overcrowded elevator will be remembered as vividly as any of the courses that you gave up sleeping to complete.

For each of us the adventure of life at Cooper has had a different setting. For a very few it began each morning with a short walk. For most it meant competing with a million others for seats on the subway while breeding hostility in their immediate neighbors with the mass of their overloaded briefcases or the fragility of their architecture



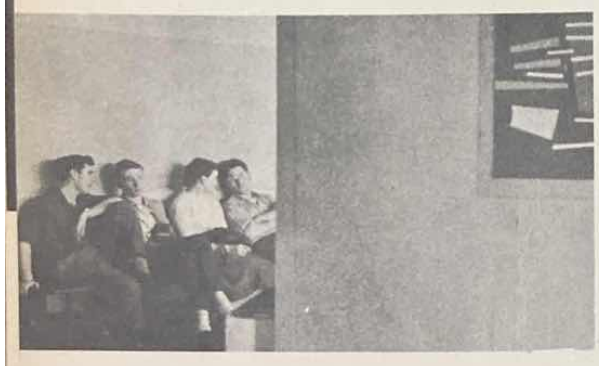
projects. For an heroic few, coming here meant having their commutation tickets punched before seeing dawn dispelled. They spent their lives here timetable-conscious; fearful of missing their particular chariot to Long Island, The Bronx or Connecticut.

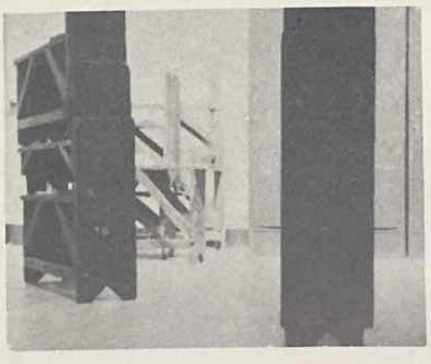
What makes an artist? Is it a particularly bushy beard, a flair for dungarees, a yen for nail polish with a Plaster of Paris base, a Dorian Gray desire to portray their souls as a conglomeration of oils on canvas, a distaste for the "bread and butter" side of human existence, some strange power of their fingers which imparts life and emotion to the mad dance of a piece of charcoal across a newsprint floor, or is it simply the porous structure of their personalities through which they let seep the emotional caprices of their over-active imaginations. These are the halls down which their emotions echo—the walls on which they hang their triumphs and frustrations. These are the rooms in which they learn to fit the patterns of their individuality into the structure of the whole. Here too, they and their antitheses, the engineers, shared their life's blood with another's when a call transcending emotional differences was heard. These are the people gifted by God with that priceless intangible—talent.

This is Cooper Square. Its stereotyped city ugliness as inconsistent with the mind of the artist as its disorder is to the mind of the engineer. Yet, for both of them, familiarity breeds tolerance and affection for this world so different from their textbooks. The big clock, the triangle, the coke ad which they seem to be always repainting, the barber shop with its fluctuating prices, and the denizens of Third Avenue trying to convince incredulous freshmen of the powers of salvation inherent in the smallest piece of change. About noon every day, beginning in late February, the back steps of the Foundation Building become infested with pieces of Pastrami, Corned Beef, American Cheese, etc., mounted between slabs of Italian bread, and intermittently passing betwen the incisors of hungry students, being continually diminished at each pass. The Good Humor uniform stationed in the street every spring is occupied each year by someone new who soon becomes affectionately known to the students as something or other. At autumn's approach the uniform withers with decreasing business and dies only to be resurrected in the spring by a new occupant.

The omnipresent El structure keeps Third Avenue clad in proper darkness and continually punctuates the lecture classes with the challenging roars of the trains it carries upon its back. The urchins of the neighborhood add their clamor to the local din with their stickball games at the foot of St. Gauden's monument. The infinitude of automobile traffic makes each venture across Fourth Avenue a hazardous one.

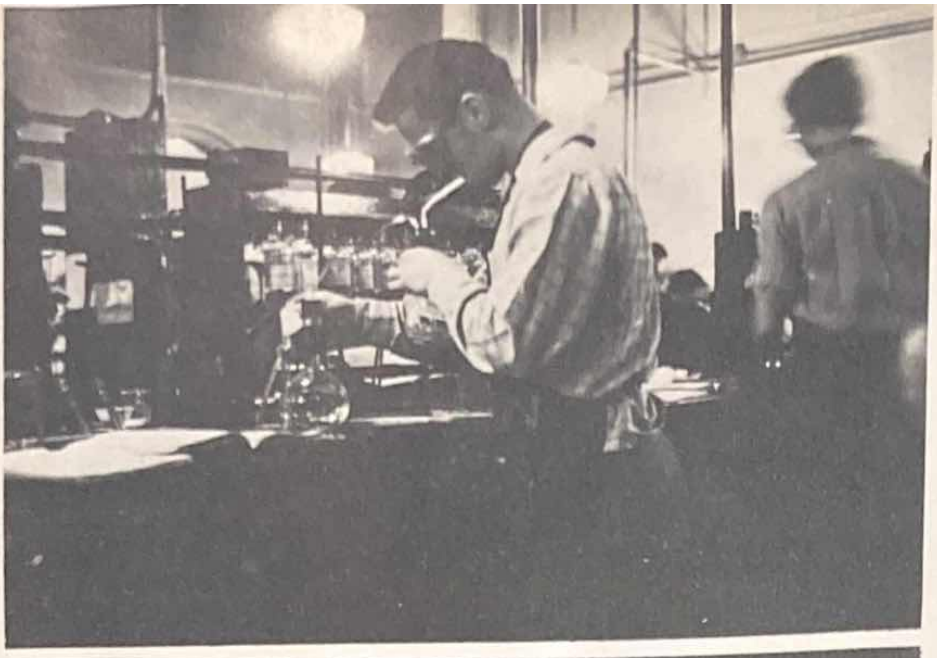
The supply store makes a weak imitation of a drug store fountain during the breaks and a strong imitation of a mob scene at the beginning of each term.

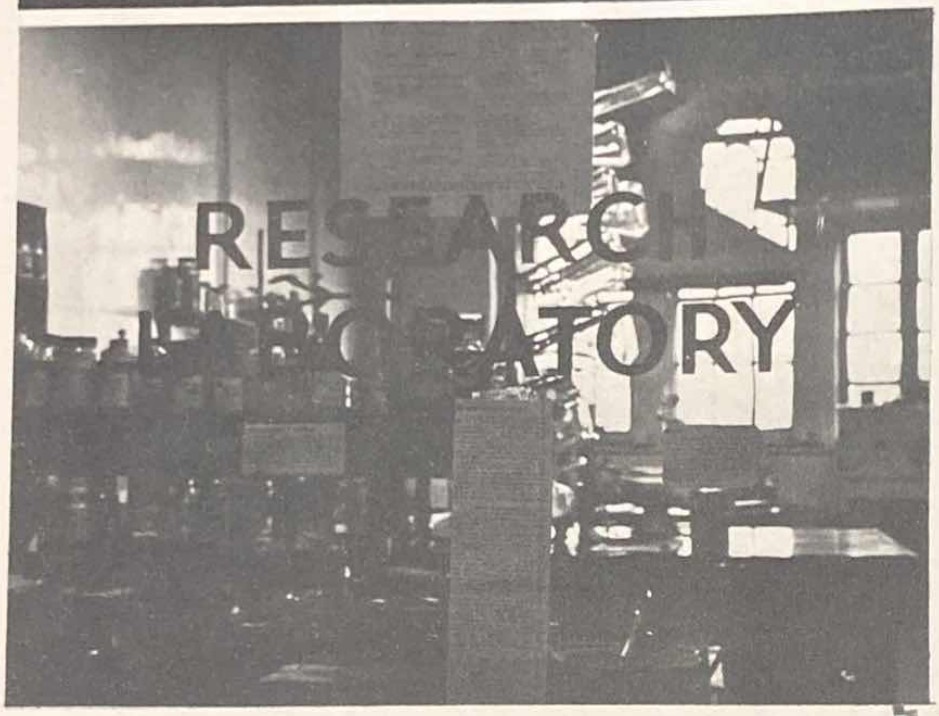


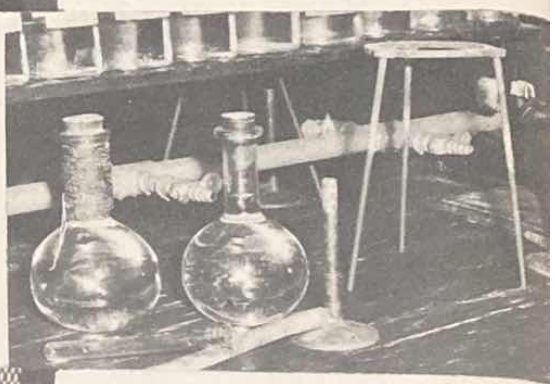


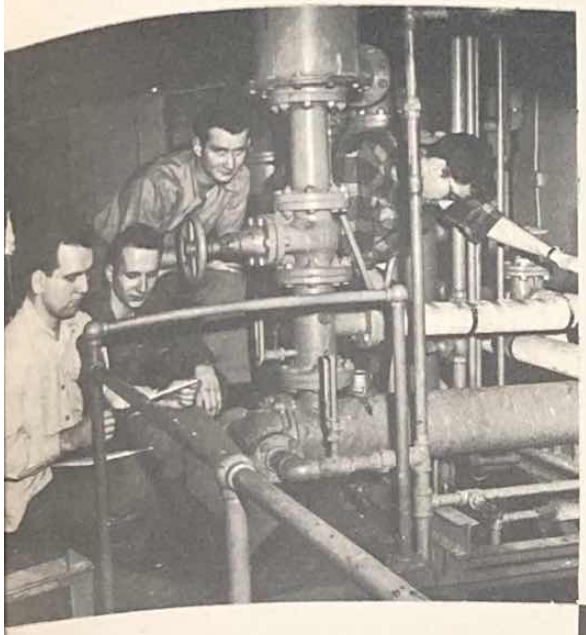
The beginning of each hour instigates a flow of human traffic between the cold modernity of the Hewitt Building and the warm uniqueness of the Foundation Building as hundreds of students flow across their city campus.

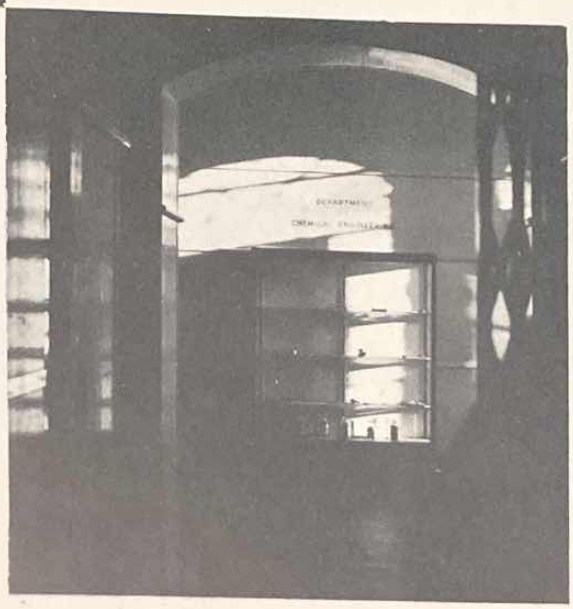
Dance
WHERE
CHRISTMAS




RESEARCH
LABORATORY







The intrinsic value of art does not reside in the obvious physical manifestations (color in painting) but rather in the aesthetic experience growing from the stimulation of the sense impressions. A painter might be ignored during his lifetime and acclaimed a century later. The work quality of art has not changed but the critical standards of the audience has.

The fine arts are usually limited to painting, music, architecture and sculpture, and lately, photography. The assumption is based on the conclusion that the finesse of art rests on the end products rather than on the stimulation engendered.

Objects created in the fine arts are assumed to have no practical purpose. To deny the usefulness of the pleasure derived from the object is to deny the practicality of everything.

The intangibility and subjectivity of art is considered to be its sin and merit. What is intangible arises from the absence of factuality(?) which in turn depends on a system of measurement. Is love intangible for the same absence. Subjectivity is different from objectivity in degree rather than in kind. To appreciate Chinese music a westerner might have to be objective at first and eventually subjective.

Science begins in the freedom growing out of the harmonious coordination of accumulated facts, methods, and materials that a certain end might be achieved. This felt freedom is the impulsion that leads to experience and eventually aesthetic experience. A mechanic might know all the facts, methods and materials of engines, but he does not begin to be a scientist.

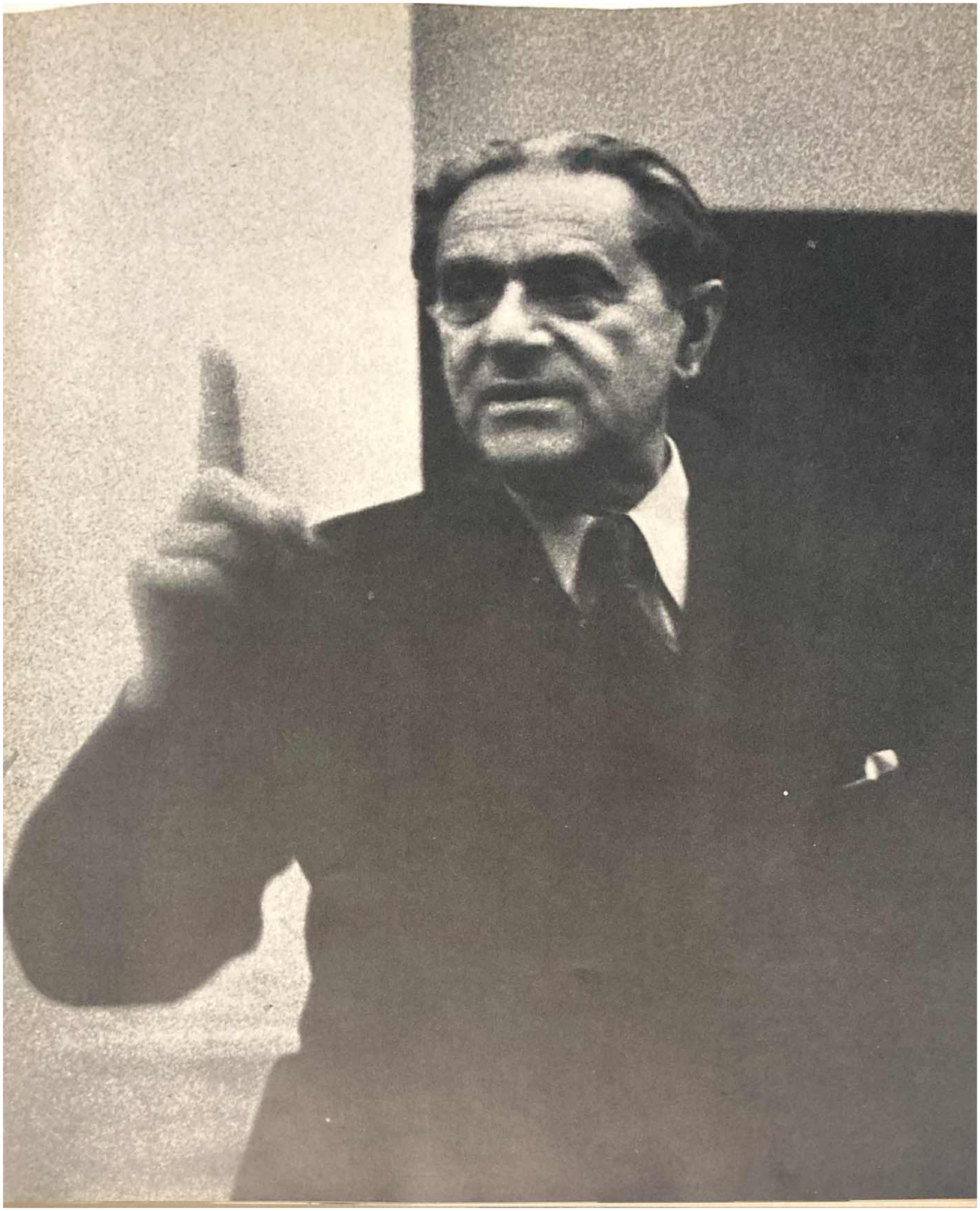
Prediction and method are parts of the ends of science. A doctor does not become a scientist, because he predicts somebody's death by the use of a certain method.

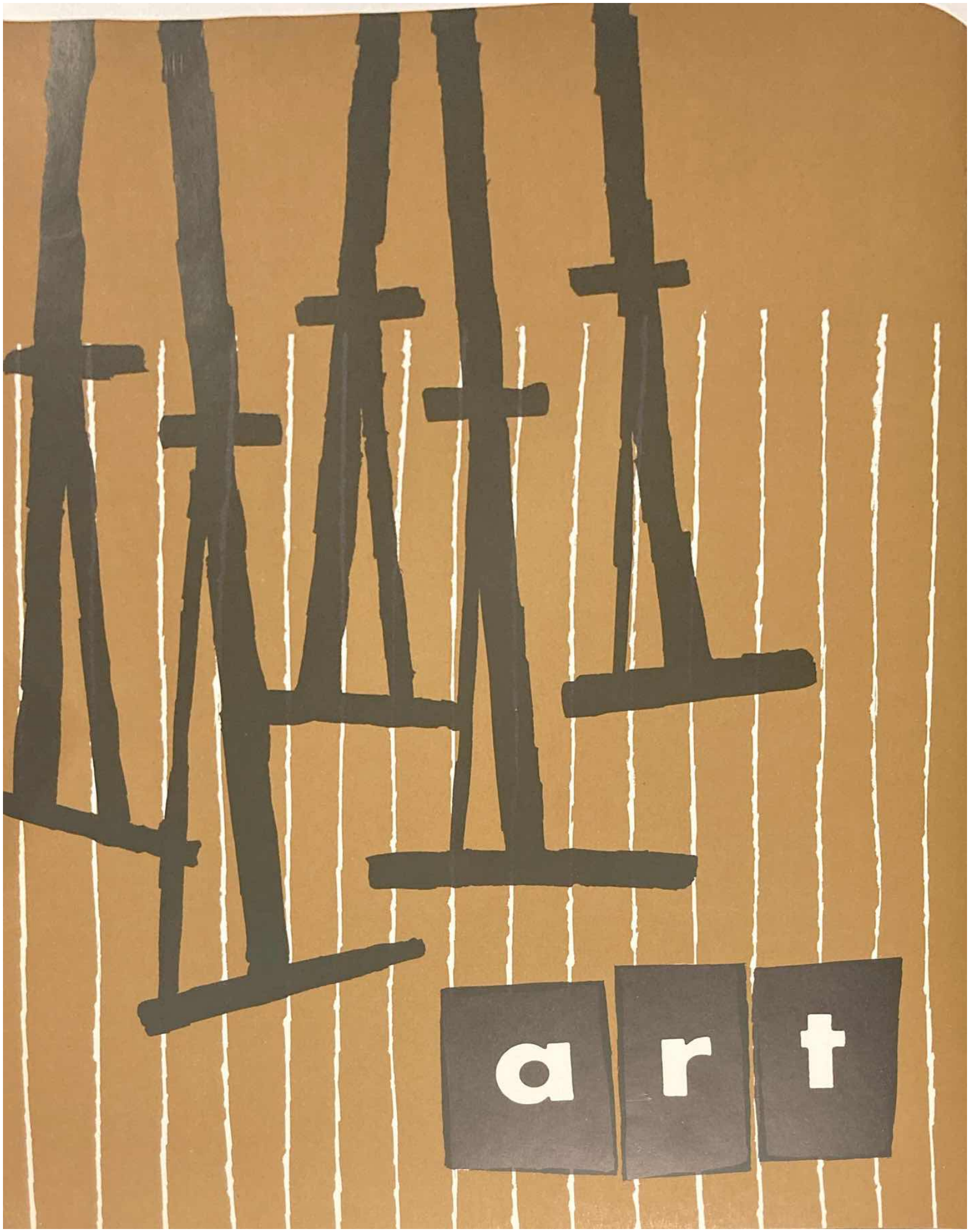
Art and science are essentially the same. Both are found and based on experience. Obviously a piece of sculpture is different from a diesel engine. The response in the critical faculties of one versed in sculpture or one in engines are inherently identical. They are found, felt, and based on human experience—aesthetic (intuitive?) experience.

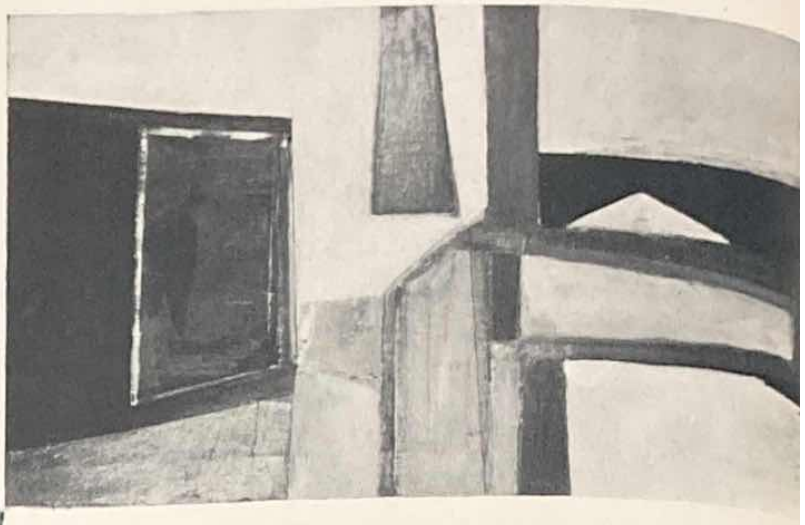
this is art: this is truth

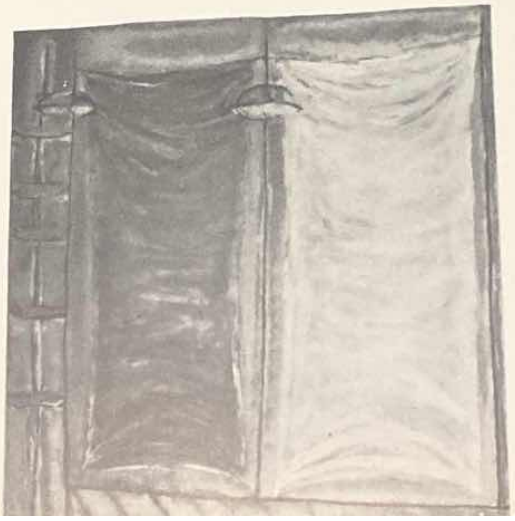
To disseminate knowledge, to direct skills, to be the human element in the process of education, these are the functions of the teacher. In the mind of the student each course is inseparably associated with the personality, philosophy, and individuality of its instructor. Thus, in the memory of his students, each instructor finds immortality.

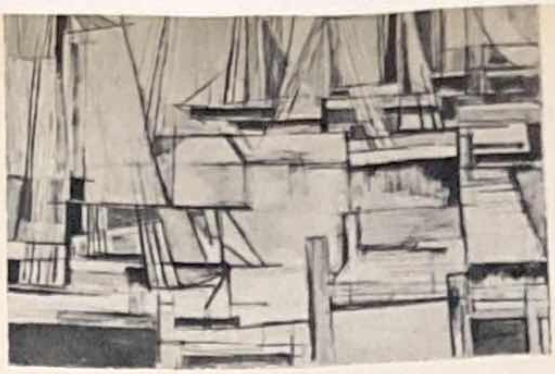
The processes of education are numerous and varied. Few exist, however, in which thankless work and continuing frustration are not the lot of the teacher. But for each there come the times when he knows that it was he who struck the spark, it was he who caused the revelation, it was he who was the inspiration, and the teacher then recognizes the divinity of his profession. The relationship of teacher to student is like that of father to son. In each field he studies, the student finds he has a particular father to guide him, to instruct him, to censure him, and to reward him. Under his tutelage, some phase of his intellect or personality develops from infancy to maturity.

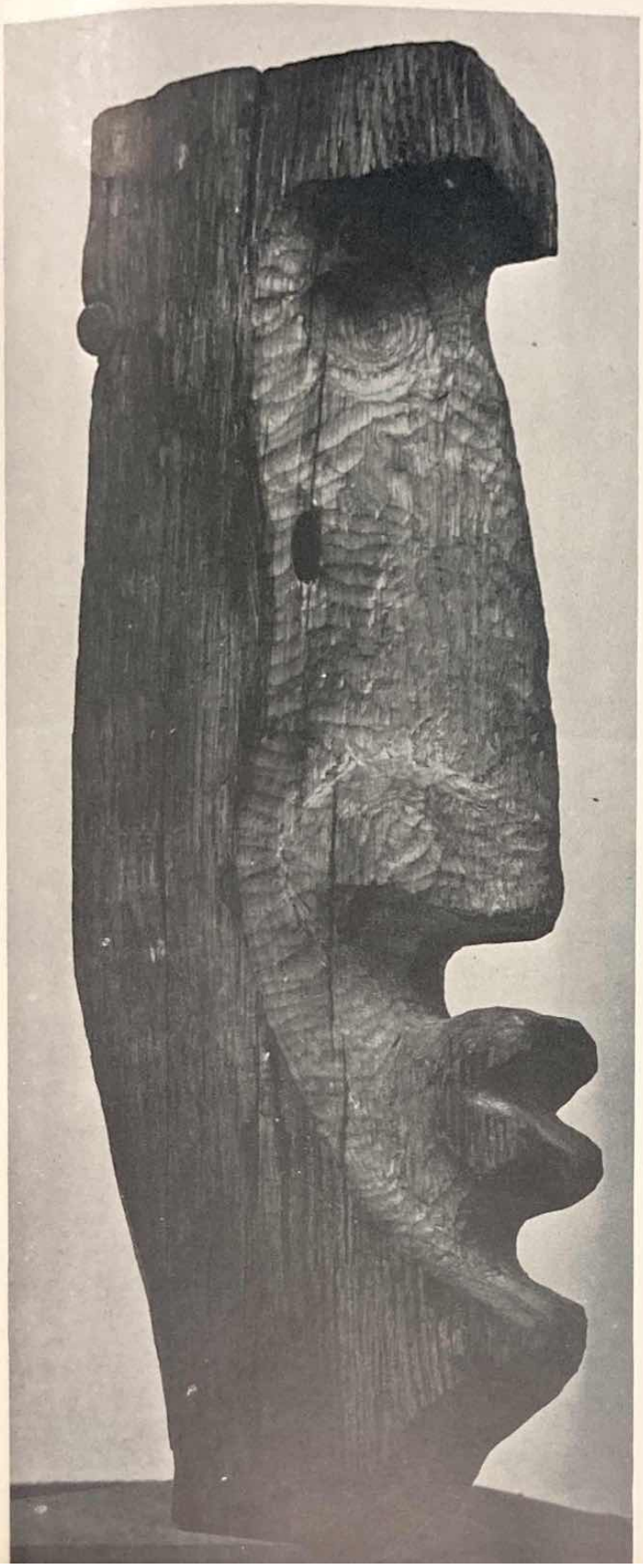


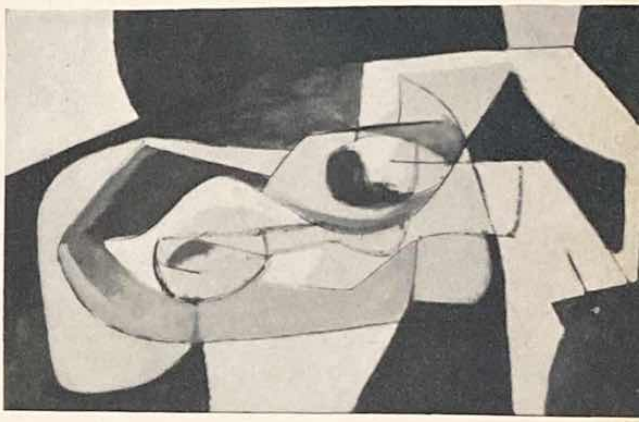

art

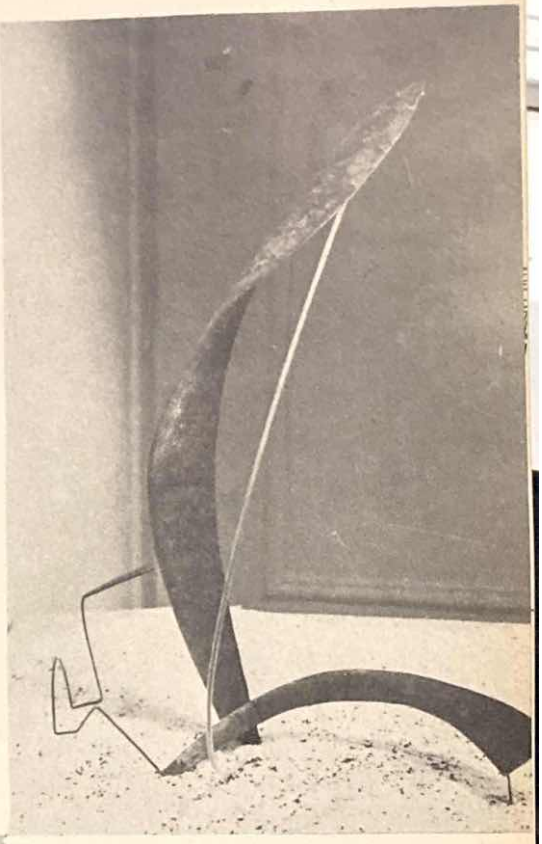


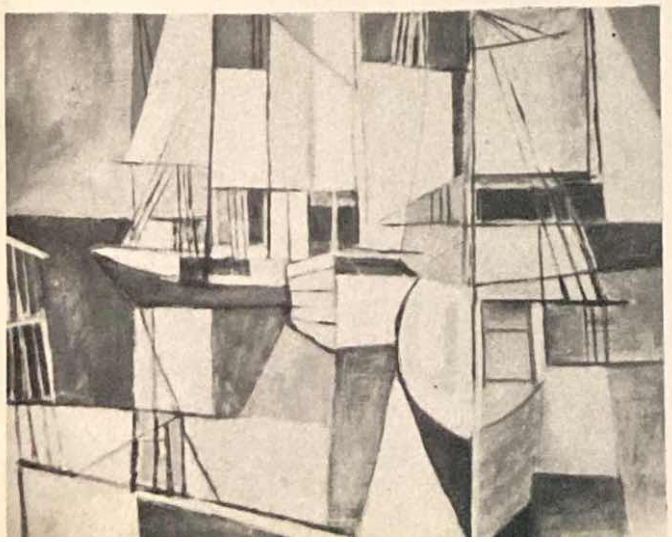


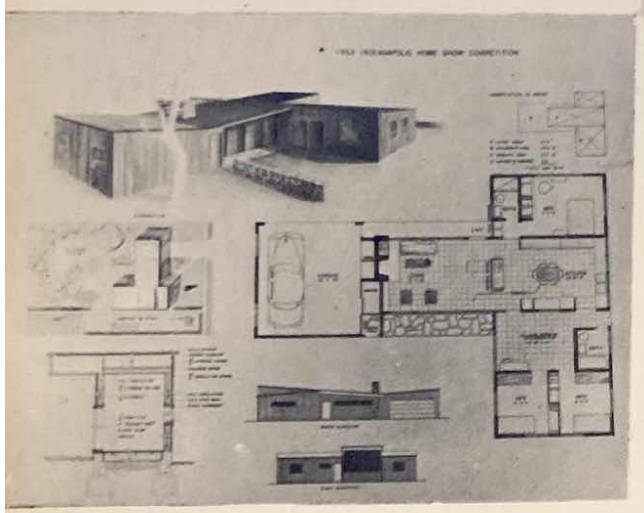


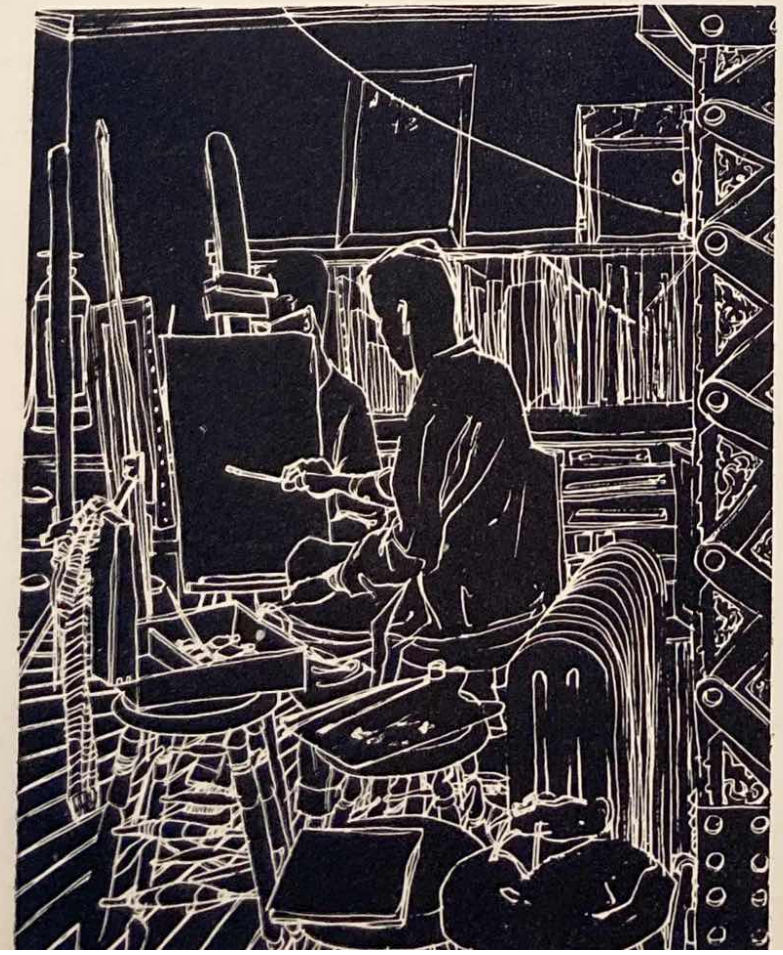


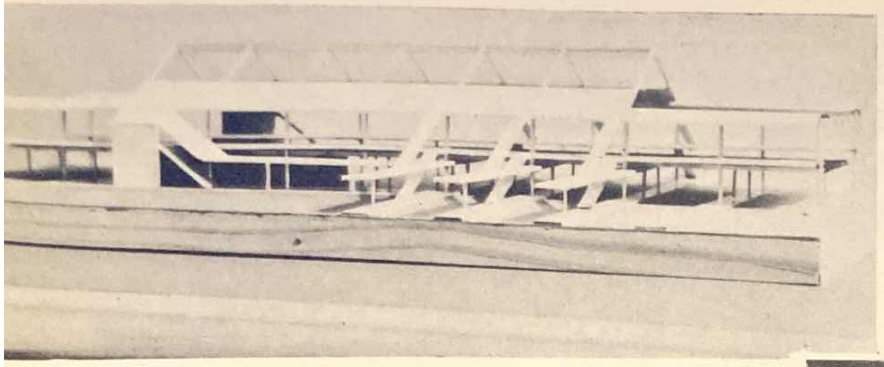


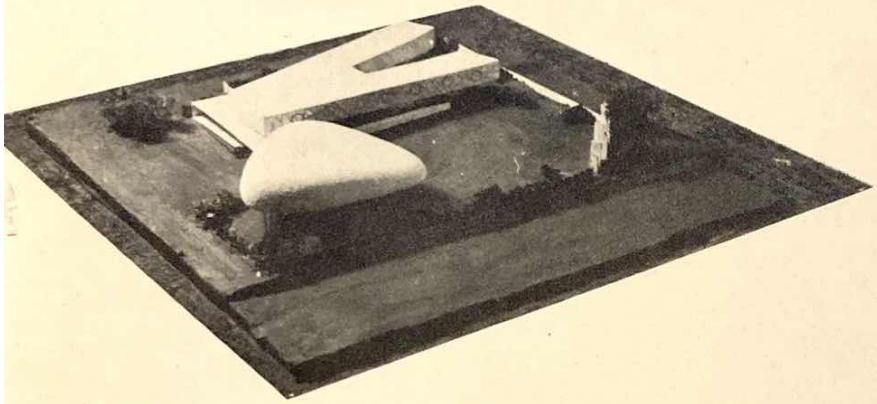


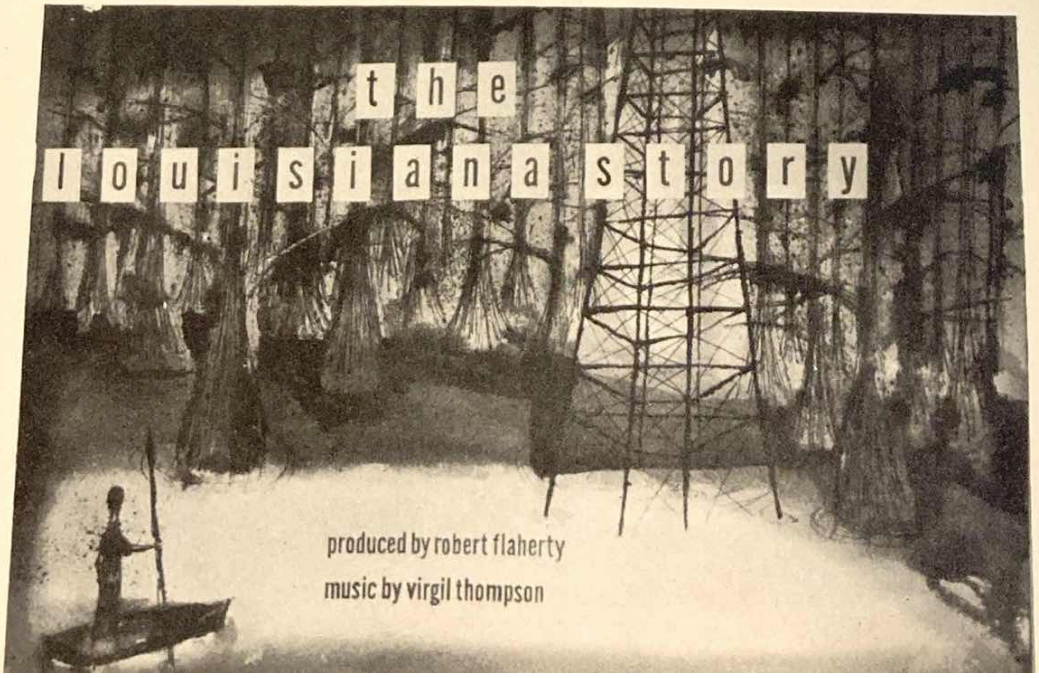


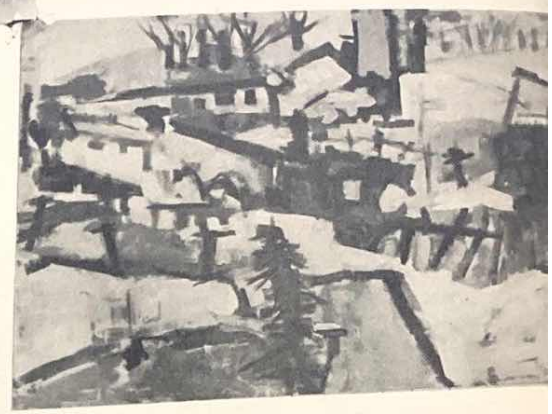


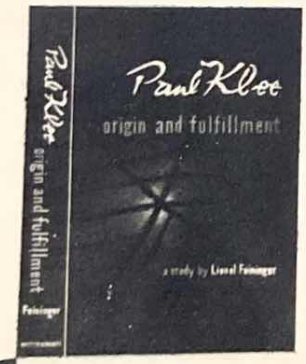


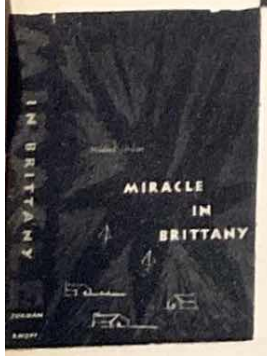


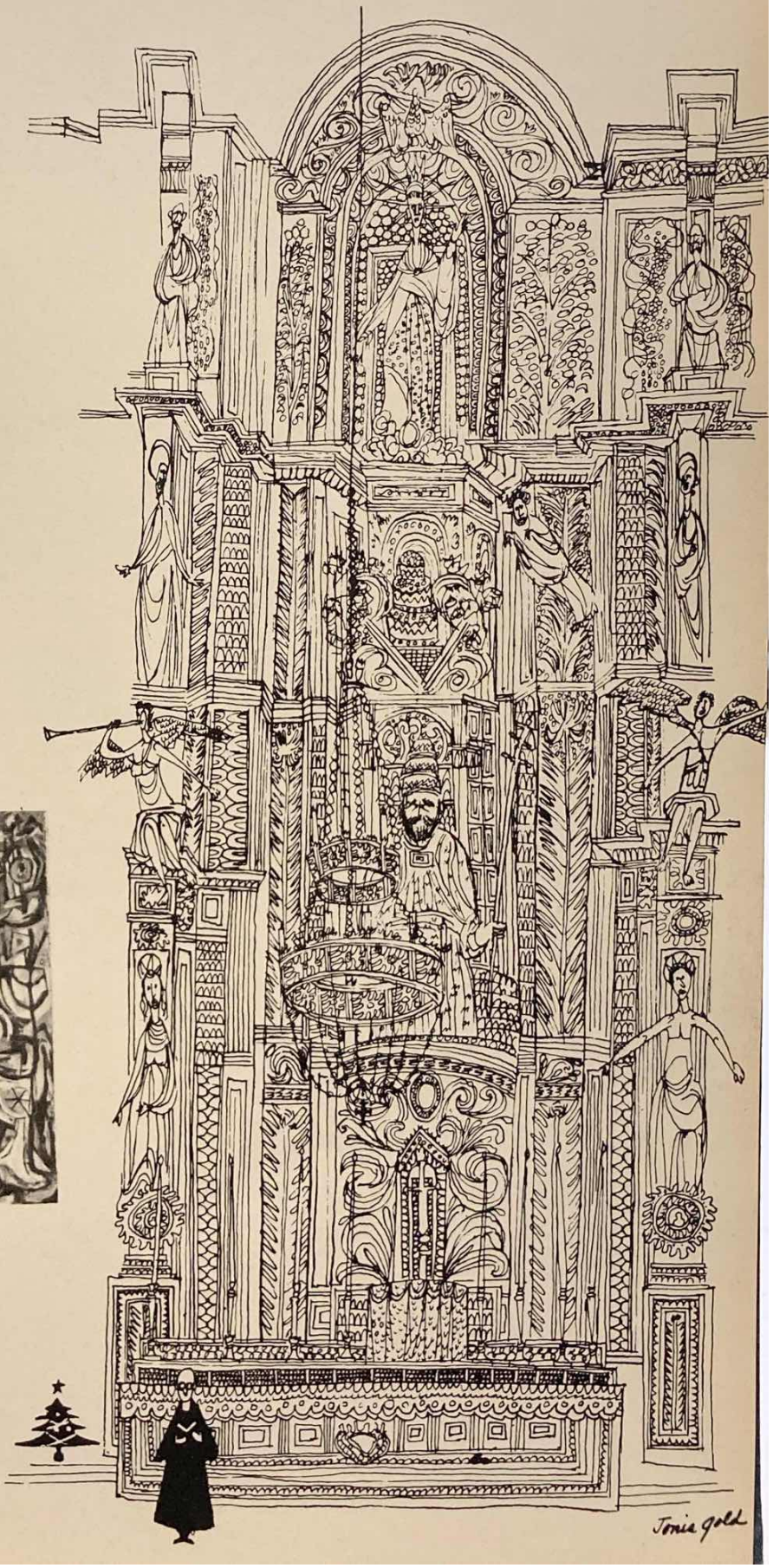



the
louisiana story
produced by robert flaherty
music by virgil thompson




Paul Klee
origin and fulfillment
a study by Lionel Feininger
Paul Klee origin and fulfillment
Feininger


MIRACLE
IN
BRITTANY
IN BRITTANY


Tonia gold

Aronoff, Sheldon
Bland, Barbara
Block, Larry
Bonvissuto, Vincent
Buchler, Rhoda
Cigal, William
Dornheim, Fred
Ebenfield, Herbert
Ecklund, Jacquie
Evans, Gary
Graven, Richard
Griner, Norman
Kalish, Israel
Moskewicus, John
Nelson, Carl
Rosen, Walter
Rubin, Israel
Spilka, William
Waldman, Richard
Zachaler, William
Zwiebel, Imre

When day is done
and textbooks close
and teachers seek their earned repose,
groups start to form in search of fun
and student life
begins to hum.

SILVER "C" AWARDS

cooper union activities

GOLD "C" AWARDS

Alwitt, Robert
Ames, Marvin
Ausfresser, Harold
Baron, Arthur
Becker, Norman
Berg, John
Cooper, Ralph
Corn, Morton
Derderian, Harry
Downs, Kenneth
Dumovich, Stanley
Field, Gerald
Fischer, Joseph
Franklin, Jerrold
Fried, Albert
Gabay, Leopold
Gonzales, Ben
Goodridge, Arnold
Grevenitz, Howard
Halvorsen, Elsie
Heller, Paul
Heller, Sheldon
Hershey, Dan
Illg, Walter
Ingoldsby, Joan
Isaacs, Stan
Kazdan, Aralee
Kladko, Martin
Kushnick, Alan
Lubitz, Herbert
Lewis, Julian
Lynch, Jack
Mayrbaurl, Ronald
Martinez, George
Minkin, Irving
Neumann, Bodo
Ozer, Kenneth
Parody, Charles
Ramoino, Stanley
Reiff, David
Rettig, Leon
Rivkowich, Harry
Rosenblatt, Arthur
Schecker, Edward
Schwab, Ray
Schwarzlander, H.
Sigman, Theodore
Strickholm, George
Vaillant, Al
Vaillancourt, V.
Van Zwienen, W.
Uretsky, Herbert
Woodhead, Carol
Youner, Herbert
Zigas, Sidney

the social activities committee

1951-1952 proved to be a good year for Cooper's social life, with a string of lively dances framing the network of successful events and affairs. With might and main, the Social Activities Committee has labored to make Cooper more Socially Active.

Starting with the Welcome Party in the Hewitt Lobby shortly after school's opening, the program followed through with:

The Hallowe'en Dance, where the candle-lighted Jack-O-Lantern, black and yellow skeleton cut-outs decorating the softly dimmed Oval Room, and the balloon lined streamers stretching above the heads of a swirling, lively company of students and friends, were witness to a well enjoyed evening of fun; the first of many.

The Thanksgiving Dance, featuring a huge plaster-modeled Horn-of-Plenty overflowing with fresh fruit, in a gaily decorated Oval Room, again attracted a huge, happy crowd. As in all the dances sponsored by the S.A.C., refreshments of cookies, candy, and soda were free.

The Christmas Dance was held in the larger and more beautiful Panel Room at 13 Astor Place, and was perhaps the finest, most-enjoyed dance of the year. With candle sticks at each table, a colorfully lighted Christmas tree decorating the dance floor, lights dimmed to the mood of Fox Trots, and cheerful toasts over mixed drinks, everyone celebrated the holidays with memorable heartiness. Herb Kahn and Arnie Goodridge featured the short entertainment period.

Topping off the season, girls dragged boys to the Leap Year Dance. It proved a fitting finale to the year's program, attracting the largest group, and offering the liveliest music and fun of the year.

Presented with a new student constitution, a functioning Activities Plan, and a bi-weekly Pioneer, the Student Council at the start of this year was faced with the tremendous task of writing the by-laws so that all student activities would be properly run.

Elections were a slow process but gradually the Council grew in size and Judiciary members were elected. Piece by piece the By-laws were written and approved. While this was being done the Council still managed to provide the school with such essentials as a Central Activities Bank, a Central Poster Committee and a Calendar of Events.

Under the guiding hand of this year's Council there has been constructed a more solid foundation for student activities than has existed for the past decade.

student council

Left to Right: J. Berg, J. Lewis, P. Liebman, L. Rettig, W. Cigal, N. Simon, N. Reiffman, M. Traite, V. Bonvissuto, S. Isaacs, L. Cosentino, W. Rosen, L. Block, M. Corn, W. Zschaler.

the pioneer

Ted Sigman, Larry Block, Martin Kladko, Julian Lewis.

Julian Lewis
Larry Block
Martin Kladko
Norman Gordon
Ted Sigman
Barbara Bland
Neil Simon
Vincent Mazzella
Israel Rubin
John O'Connor
Herb Lubitz
Carol Goldberg
Helen Schloss
Robert Alwitt
Morton Corn
Herb Rosenthal
Charles Parody
Herbert Kahn

It began two weeks before publication:

All sports news has to be ready on Tuesday . . . all right most of it . . . half? . . . well have something ready. . . . There's a dance this week, who's going to cover it. . . . Hand out the assignments tomorrow. . . . We'll have to write an editorial tonight. . . . Check with Public Relations, they may have some news leads. . . . and the mad Friday night deadline sessions:

Rewrite this story, about 250 words. . . . Who's writing the lead story. . . . Type this when there's a free typewriter. . . . Where's the Thesaurus. . . . Is there a comma between. . . . How can I add 100 more words if there isn't any more information? . . . Now this story we'll make two columns into one and this one we'll put in the lower right hand corner . . . maybe it would be better if we made this two columns wide and . . it's 1:00 AM and there are three more stories to be written. . . . Who's taking the copy to the varitypist in the morning . . . then came paste-up week . . . and then there was finances:

Printer wants to be paid? . . . What's our bank balance . . . when is Clothing Mart going to pay up. . . . We need ten more inches of ads. . . . We got a check . . . gee $3.75 . . . now we owe $196.25. . . . Go see these stores . . . they owe us money for two months. . . . No, he can't cancel . . . change the copy, do anything . . . but he can't cancel. . . .Tell the printer next week. . . .

Pioneer out today. . . . Good lord, the headline is crooked, the picture is black . . . but look they're reading it. . . . Make sure there's enough for the night school. . . . Here comes Max Traite, barricade the door, I don't think he appreciated the editorial. . . . But if there weren't any girls at the dance, why can't we print it. . . . Write a letter to the editor. . . . Send out the bills . . . no checks today. . . . Deadline Tuesday.

cooper clubs

activities plan

Howard Grevenitz
Bodo Neumann
Walter Rosen
Irving Minkin

For the first time in Cooper history, all student activities were combined under a single administrative committee called the "Activities Plan." This committee has existed before, but this is the first time that it became a completely student financed organization covering most extra-curricular functions of the school.

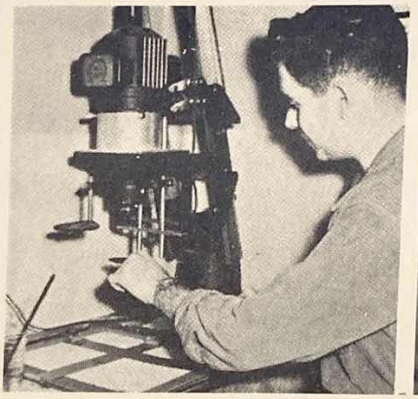
In its first year A. P. had more headaches and obstacles to surmount than any organization in the history of student activities at Cooper. It was the inaugural of the idea of centralized activities. The fee required for joining A. P. was higher than ever before. The price of $6.75, in many cases, found stiff competition from the Supply Store and Registrar's Office. Therefore, an installment plan was devised.

After a trying campaign, the 1951-52 A. P. exceeded its minimum quota of 500 members. Unfortunately the fact that 500 students joined A. P. is in no way an indication of the enthusiasm of the student body. Instead it is mainly a measure of the hard work of the A. P. committee headed by Walter Rosen, chairman, and assisted by Howie Grevenitz, vice-chairman, Irv Minkin, treasurer, and Bodo Neuman, secretary.

The Activities Plan included this year the Athletic Association, Annual Dance, Cable, Social Activities Committee, and most Student Council Committees. As a whole A. P. was a success. Again, the student body as a whole is thankful to Walt Rosen and his committee for the splendid job they have done.

bowling

If you can lift a bowling ball, you are a potential "300" bowler. Having gotten this blatant lie off our chest, we can go on to explain that the figure refers to the participant's ability, not his weight. Bowling skill depends largely on sticking to the middle of the road and keeping out of the gutters, and is therefore excellent training for Life. Led by Ken Ozer, the bowling team framed many a spare moment of enjoyment for its members.

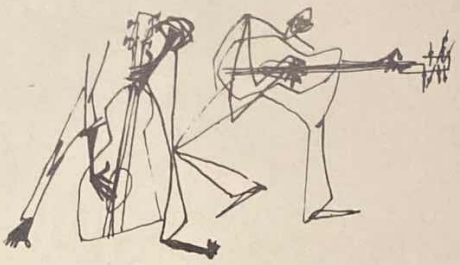


camera

The feature attraction of the Camera Club is the darkroom, where members bring their girl friends and await developments. Cameramen spend most of their time making exposures of each other in a friendly way, and running to the doctor whenever their lens is coated to see if they need an aberration. The club has been troubled recently by shutterbugs, which are animals similar to termites, that chew the linings of the more expensive cameras.

chess

The Chess Club, under leadership so dynamic as to be almost embarrassing, had an eventful year during which some members joined, while others dropped out. One sensational event was a tournament of lightning chess, held during a thunderstorm. It was won by a fellow who had the good fortune to be struck four times, after which he really got hot and electrified the opposition with his brilliance. Several members of the club made trips to Green Camp, where some of them played chess, others did not. Chess players were also active in such diversified fields as E.E. Lab., Heat Power, Math I, and Physics IV.

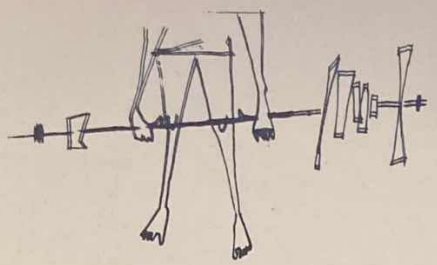


dramatic folk song hiking

When you combine character with physical reality you have the stuff of which dramatics is made, and when you impress upon it a realistic direction, or plot, the result is a play. At the beginning of each term the Dramatic Club starts from scratch with only these three elements and a tremendous amount of enthusiasm.

The Folksong Club, gallant, tireless entertainers, sing their lovely songs to the accompaniment of guitars, mandolins, and loud protests. Many is the time that a delightful party has been concluded by the soft strains of ancient melodies, a gentle reminder that it was time to go home.

Over hill, over dale, if they pass or if they fail, our hikers go marching along. Cover plenty ground they will, even if they're standing still, for our hikers are hefty and strong. And wherever they may wander they are led by old Schwarzlander as our hikers go rolling along.



orchestra table tennis weight training

The Orchestra, a spontaneous group of students, has enlivened many school functions with its original interpretations of popular numbers. Scorning all forms of regimentation, such as everybody playing the same tune at the same time, the players contributed a certain something to all festivities, for which the connoisseur may search in vain throughout the rest of the civilized world.

The assets of the Table-Tennis Club consist of two tables of dubious quality and a newly acquired hoe for extracting balls caught in the myriad traps of the basement catacombs. Membership in the Table-Tennis Club provides members with an outlet to relieve their pent up frustrations.

A sufficient number of weights were trained this year to make the whole project worth while. None of the mountains of muscle who inhabit the club will divulge what the weights are trained to do, but we are warned to watch for something popping.

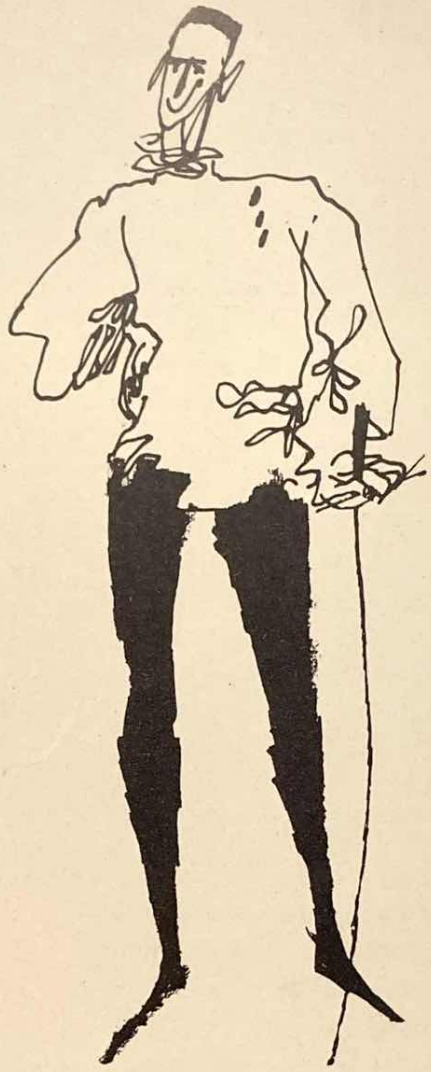
BASKETBALL

FENCING

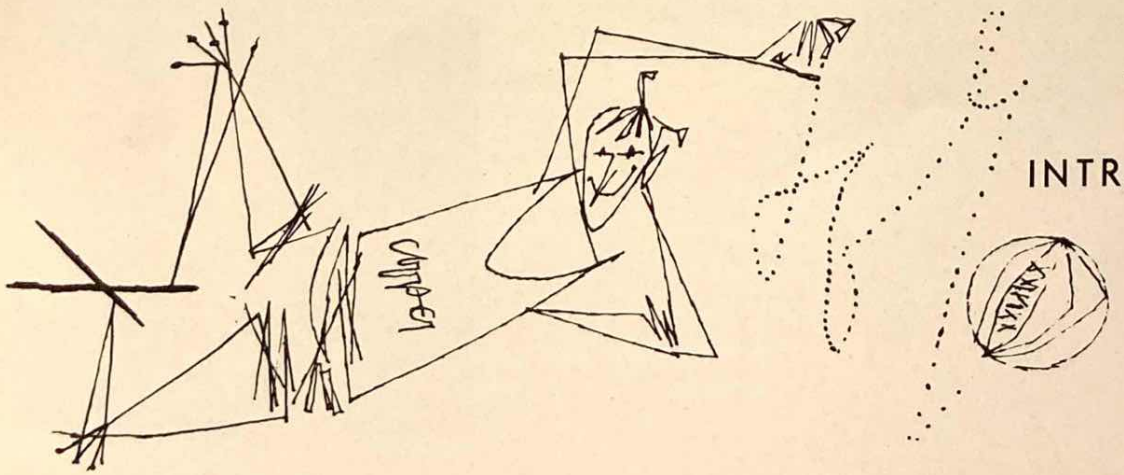
RIFLE

SAILING

VOLLEYBALL



cooper union athletic activities



INTRAMURALS

athletic association

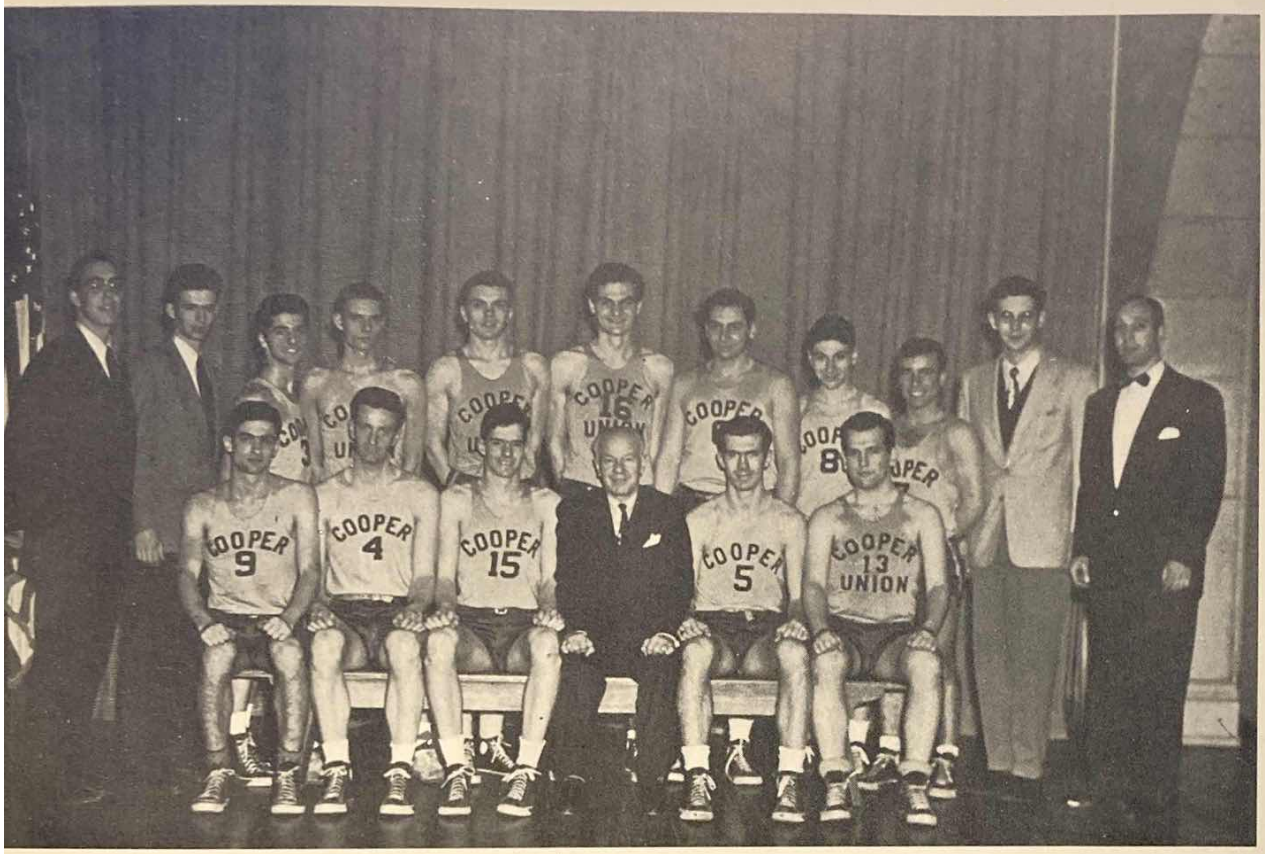
The school year of 1951-52 was another highly successful one for The Cooper Union Athletic Association. During the year, the governing board of the A. A. administered the activities of six varsity teams, one intercollegiate team, seven intramural tournaments, nine clubs, and four other major A. A. activities. The officers of the A. A. during the school year were: President, John Heidengren; Vice-President, Walt Rosen; Secretary, Bob Booman; and Treasurer, Hal Ausfresser.

The Fourth Annual Field Day started the year off as a tremendous success. The largest crowd ever to be seen at Green Camp participated in the picnic, contests, scavenger hunt and dancing to produce the most exciting and fun filled Field Day yet.

The varsity basketball organization was enlarged this year by the introduction of a junior varsity team which produced a fine 3-4 record against tough opposition.

Climaxing a year of successful athletic activities is the Annual All-Sports Dinner. At this affair, noted as one of the outstanding social events at Cooper, the deserving men in A. A. receive awards and the plaudits of the student body.

varsity basketball



Left to Right, Standing: A. Kushnick, H. Lubitz, D. Ciccone, R. Buechert, J. Fischer, W. Passas, N. Alperin, A. Palmer, T. Ramoino, D. Eichelburg, Prof. Hollinger. Sitting: J. Franklin, K. Downs, R. Kolb, Coach Tobey, J. Lynch, S. Dumovich.

Who knew that an easy victory over Pratt back in the middle of last season was the beginning of a winning streak unknown in Cooper's long basketball history? The Pioneers, after that uneventful ball game, went on to cop nine more consecutively. They wound up the '50-'51 season with an impressive 13-4 record and 3-3 standing in the N. Y. Collegiate conference. Bob Kolb garnered top honors in the league as high scorer.

Of the three league wins the victory over Queens College was the big one. It took the hoopsters five overtimes to do it. The score was 110-105—an unforgettable experience to the people who attended.

On account of the wonderful showing of our team, new clubs were added to this season's schedule. Tough schools such as Brooklyn College, Rutgers of Newark, and the University of Baltimore were among them.

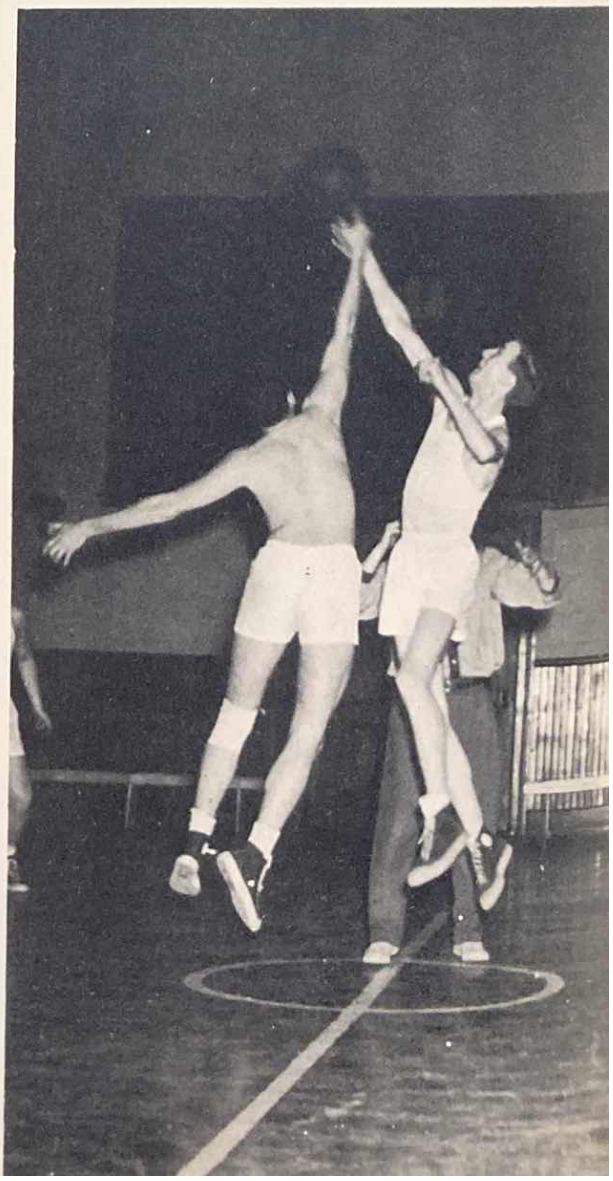
The winning fever spread into this season. The hoopsters won the first three to make it thirteen in a row. Alas, the winning streak came to an end at Baltimore. We lost 67-66. Incidentally the trip was a "first" for the varsity. A tour of the sights at Washington, D. C. was enjoyed the following day.

The next three league games were dropped to Adelphi, Wagner and Queens. The losses were due in no small measure to Kolb's handicap sustained at Baltimore. He tore several ligaments and was not up to form for the weeks following. The excellent board work of Ken Downs coupled with his frequent eruptions in the scoring column were factors in filling the void left by Kolb. Jack Lynch (a member of the "Goal-Dust Twins"), Stan Dumovich and Jerry Franklin make up the rest of the five of this season. All but the "Twins" (Lynch and Kolb) graduate this year. Let's hope the freshmen come through.

cheer leaders

Eleanor Dubin
Sheila Geyer
Anita Walker
Carol Woodhead
Jeanette Rosenberg
Helen Mostowicz
Eileen Maxwell
Elaine Chionchio

The Cheerleaders organization was greatly expanded this year and was a lively factor at ball games. Barbara Bland, energetic manager of the Cheerleaders and her assistant, Joan Ingoldsby, collected a bevy of beauties from four different states to cheer up the team and crowd at games.



intramurals

This year's intramural program included such varied events as volleyball, table-tennis, basketball, bowling, handball, softball, and an intramural handicap bowling tournament. The senior Civil Engineers swept through the volleyball tournament but were upset in the basketball finals by the Chemical Engineers' juggernaut. Dave Meyers, 3DCE, pulled a surprising upset by defeating Joe Rizzuto, last year's winner, in the table-tennis tournament. The 1951-52 intramural program was noted for the number and enthusiasm of its participants.

fencing team

golf team

rifle team

The Fencing Team can usually be found at the Church of All Nations engaged in conflict that would make Hollywood jealous. When the fencers are instructed to run through a few exercises all onlookers quickly withdraw lest they be mistaken for an exercise. This year's edition of the fencing team improved over their 1951 array by one hundred per cent. This year's aggregation, inspired by a new coach, won two matches. An influx of freshman talent is portentous of continuing improvement in the years to follow.

The Golf Club was organized to offer enthusiasts an opportunity to play the game. One need not be an expert golfer to join the club. In addition to playing throughout the year, the club sponsors two tournaments annually. Those who have shown the most ability are entered in the Metropolitan Intercollegiate Golf Tournament.

The Rifle Team has been infernally active this year. Under the capable presidency of Bob Booman, whole stretches of country in and around Green Camp have been made unsafe for casual passers-by. The area around the Rifle Cabin at Camp is the richest in sightless mosquitoes in the country, because Cooper's sharpshooters are always shooting out their eyes at three hundred yards. Other game is also plentiful. Only a few months ago a team member winged a father of twelve children, claiming that he had mistaken him for a rabbit.

sailing team

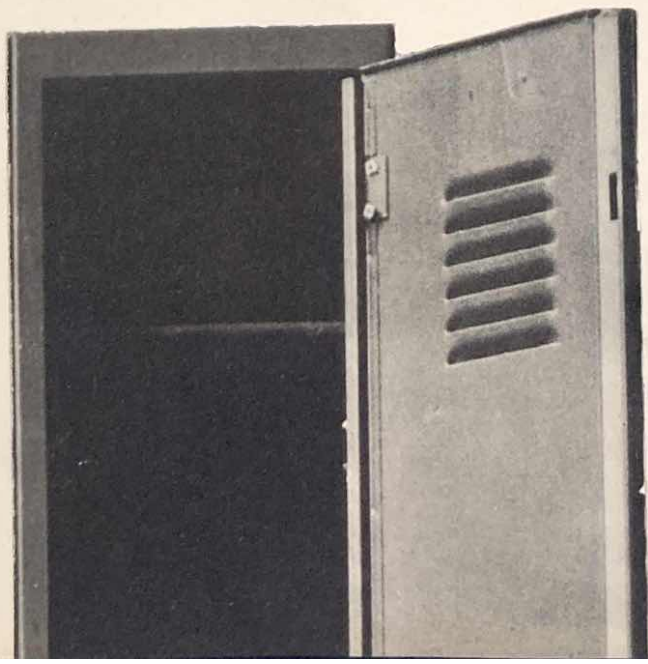
The Sailing Team, alias the Yacht Club, had its most tremendous season since last year, winning some of their matches and losing others. Highlights of the season included matches with other schools, while the lowest points were reached when rain and storms made it impossible to sail. A typical excursion featured a day with the foaming brine and a night with the foaming brew. Since most outings took place on Saturdays, the Yacht Club has probably the worst Sunday morning soberness record of any club in Cooper. The winter months were spent in battening the tops'l and reefing the fo'c'sle amid cries of "Don't give up the ship."

volleyball team

This year's edition of the Volleyball Club had the most successful season in its four year history. The highlight of the season was the group's fine showing in the intercollegiate volleyball tournament sponsored by State Tech at Binghamton. The Cooperites finished second behind Springfield and Jim Trapkin of Cooper was chosen as the most valuable player in the tournament. For the past three years the Volleyball Club has been coached by Mr. Zarchen.

With the insistent regularity of an evolutionary process, each June, lockers are opened and emptied for the last time as another group of graduates becomes alumni. For varying amounts of years each has added to, and been a part of, life at The Cooper Union. Every face has become a familiar one. Every voice has found a friendly voice to answer it. Every mind and skill has survived the hardest trials and met the severest standards. With the appearance of their features here, they take leave of their school and of each other. Most of them now leave the academic world for the ruthless competition of professional life. Their stay at Cooper has helped prepare them for this competition in the fields of technology, art, and most important, human relations.

graduates



ARLENE ACHIRON
1075 East 14 Street, Brooklyn
"A.A." represents the glamour of the art school. An impeccable wardrobe matches her exacting artwork. Arlene excels in her courses and is a favorite with her instructors and students alike.

JOHN AHEARN
9 Oakridge Street, Norwich, Connecticut
A quiet, modest guy with a large amount of gentlemanly qualities. He will surely be a good bet for success in the advertising art field. John is his own worst critic.

CLAIRE AMES
87 East Second Street, New York
Claire is our great liberal, very politically minded and one of the few who is aware of what is going on in the world outside of her art. Her specialties include folk-song with guitar accompaniment, village revels, unfunny jokes, petitions and sex education.

OSWALD ANSELMO
67-39 197 Street, Flushing
Although a leading intellectual of the night C.E.'s and despite a heavy schedule, Al always managed to slip over to McSoreley's with Heller for a quick one. Al is a member of both Chi Epsilon and Tau Beta Pi.

DOMINICK ARBITRIO
98 Hillside Place, Tarrytown
"Abe" has that rare ability to be perpetually gay and pass it on to everyone. His fine drawings threaten David Stone Martin's job. Dom holds the World's Indoor Record for Consumption of Beer.

LEON AUERBACH
377 Madison Street, Passaic

Leon is a witty, gregarious, man-about-Madison. He's addicted to black coffee, natty attire, and benzedrine (in lieu of benzine). We predict that Leon will become an Art Director.

HAROLD AUSFRESSER
694 Park Avenue, Brooklyn

Hal was the first of the senior day E.E.'s to enter the bonds of holy matrimony. A member of A.I.E.E. and T.B.P., he spends most of his time in class diagnosing the ailments of Henry Sadowski's car. He has achieved renown as a bowler for his section, emerging from the Miscellaneous Bowling League with one of the highest handicaps.

FRANK BABOS
75 Fort Place, Staten Island

Frank is the C.E.'s walking textbook, complete with diagrams and solutions. It has been said, "If it's print, he's read it!" In addition, Frank is a member of Chi Epsilon and Tau Beta Pi.

IRVING BENDER
1014 46 Street, Brooklyn

A Fine Arts student with a quiet approach, who loves six-foot canvasses and art discussions. Irving plans to utilize his well-rounded knowledge of art in helping others through the field of Social Psychology.

ROBERT BERGER
244 West 109 Street, New York

Here's a fellow that was sitting on a good thing and let it go by. Still and all, the boys will always say, "He was a good mother. All's well that ends well." His was the most strategic bed in camp for two years.

RICHARD G. BERRY
6052 Madison Street, Brooklyn

A devoted husband and father, this aspiring architect will undoubtedly design the best dog houses this side of the Mississippi—well at least this side of Cooper Union.

ROBERT BINGHAM
1765 East 33 Street, Brooklyn

A quiet and reserved guy, Bob is well liked by everyone. As a seminal thinker, his naive speculations have been favorably compared with John Dewey. Always impeccably dressed, he's the fashion plate of the fourth year E.E.'s. When not in the library grinding out a lab report, or arguing philosophy in Professor Berninghausen's class, he can probably be found at an A.I.E.E. meeting.

RICHARD BLAZEJ
16 Brevoort Road, Chappaqua

The Chapaquarius Vegetablia; whose minin wheet was piled in an enormous stack, and Blazej drooled with glee; for thirty-nine winters he'd never lack—the taste of the luscious seed.

JOAN BONAGURA
1819 East 37 Street, Brooklyn

"Bonnie," an active leader at Green Camp, is an Advertising student with a flair for fine arts. She's loads of fun, and lives what she believes. Now working in the "Field," she's lucky enough to be one of the fortunate few residing in the nearby Village.

JOHN F. BORRÉ
3340 Decatur Avenue, Bronx

Some day we'll find out if John wears a shirt under that white coat. This clever lad intends to continue his education—a glutton for punishment.

ROBERT B. BRAYDON
210 Clinton Avenue, Brooklyn

When school is over Bob hopes to be able to devote more time to golf and skiing, his favorite pastimes. A pretty good architect, he has a secure future in his use of the ruling pen.

HARRY BREINDEL
1772 Vyse Avenue, Bronx

From now on, Harry's little boy will have a cheerful companion. His daddy's finished night school. He'll build his son a set of rotating vectors to remind him of the busiest nights of his life studying Electrical Engineering at Cooper Union.

SAUL BRIEF
240 Rodney Street, Brooklyn

Others may have worried about homework and such but Sonny preferred to spend his energy playing basketball and mooftie-wooftie (in dark living rooms). A proponent of the live today and tomorrow too school of thought. Sonny always had a good story for the boys on Monday mornings, yet he managed to do quite well in his Chemical Engineering studies.

BERNARD N. BRIZEE
8615 Jamaica Avenue, Woodhaven

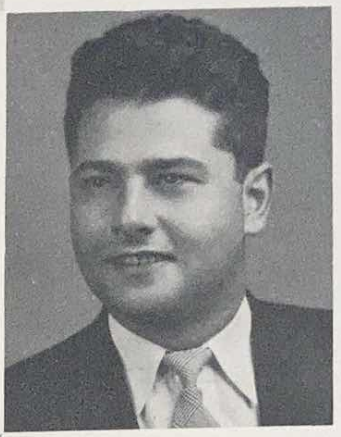
This young man is destined to travel. With ample architectural experience under his arm and that new Ford (right side up) under his seat, he'll go places.

NORMAN BRODESSER
2910 LaSalle Avenue, Bronx

Hot shot of the C.E. intramural basketball, volleyball, and bowling teams, he can be classified as the tall, dark, silent and . . . type. He competed with M. Lynch in tardiness. An exponent of the nomograph system of interpolation, he was one of the reasons his DeMolay team always broke 100.

BERNICE M. BROTMAN
124 Carlton Avenue, Brooklyn

She doesn't look like an architect but her work proves she's tops. Add to this a warm and friendly personality, and you have the reason why Bernice should be quite successful as an architect.



BENJAMIN BRYTON
26 Wheelbarrow Lane, Wantagh

Ben is a man who is interested in content rather than techniques. His eloquence is the result of his desire to achieve a humanism which will make his goals more purposeful. He has received an award for his work in physics and is recording secretary in Pi Tau Sigma and A.S.M.E.

RHODA BUCHLER
104 Highland Avenue, Yonkers

"Beesh" trod the boards behind the footlights for the Dramatic Society and starred in several productions. An elfish personality, her wit and charm endeared her to classmates and faculty. A fine, sensitive artist, Rhoda will make her daily bread through her sculpture.

GEORGE CASSA
1165 Morris Avenue, Bronx

George is a true esthete, since he is Cooper's premiere musical authority. He will be remembered always for his exquisite rendition of the "Charleston."

MICHAEL CASSINO
1944 75 Street, Brooklyn

Mike's speeches in Oral English proved that he possessed a good mind and sound art principles. He got more than his share out of Cooper. Besides his fine art training, he also captured the heart of his classmate, Barbara.

LEA CASTORINA
325 West 21 Street, New York

Newman Club Secretary, and an active student leader who has led many wonderful weekends at Green Camp. Lea is a friendly, warm person, liked by all, who is always willing to help and do things for others. Presently doing display work, she wants to work in industrial designing. "But, I want to do some traveling first!"

ALEX CHAJES
378 Pennsylvania Avenue, Brooklyn

Known as Chaky, Chasee, or Chajas, he was Art Editor of the Cooper Survey, and one of the few who could interpret its cartoons. If he wasn't playing ping pong in the Cooper Basement he had probably gone for a joy ride in Illg's Ford or was arranging a "big" party for the boys on S.K.T.

MILTON CHANIN
546 Claremont Parkway, Bronx

"Channel" Channin is noted throughout Cooper for his love of Machine Design. His accurate and extremely thorough analysis has pulled many a struggling M.E. through. Many a girl is carrying a torch for Magnificent Miltie, but the girl that wins him will be the one that carries an oxy-acetylene torch.

JOHN CHROMY
2302 28 Avenue, Long Island City

John and his taxi are immortalized in the C.E. class. His cheery presence during the long additional hours in design will always be appreciated. President of Alpha Phi Omega, he was no slouch in turning out his "aufgabe" (here due credit must be given to Rosemary).

WILLIAM CIGAL
115 Beaumont Street, Brooklyn

Billy is a real hustler, teaching art to youngsters, instructing private dance lessons, and practically running the business of the senior class all by himself. Bill will be remembered as a cheerful, chubby chap, capable and alert and kind to animals.

ALEX COHEN
733 Shepherd Avenue, Brooklyn
A bright boy of the C.E. class, his homework has been an inspiration and a model for his entire class. As proof of its quality, Al has been honored with membership in Chi Epsilon.

MARTIN COHEN
510 Crown Street, Brooklyn
Marty is one guy who gets everythinn done and still has time to spare—must be his magic architectural typewriter. He is the guy who gets barred from A.I.A. dinners because he receives too many high honors.

MORRIS COHEN
1359 41 Street, Brooklyn
Morris loves three things: boiled lobsters, Broadway shows, and a slightly abused Studebaker. He has suffered from three major hazards: the Navy, Cooper Union, and mental arithmetic. Between school and buying stock it is expected that Morris will some day own the Bell System.

EMMETT COVELLO
1500 East 134 Street, New York
Noted linguist, President of O.D.P. and big brother of the "Mud Family," Emmett always had a cheery smile adornìng that face of his. He was The social master during Laster's regime. Although only three fourths of his former self, he's still a lot of paisan.

WILLIAM P. CULLEN
35-61 92 Street, Jackson Heights
This former Air Force man delights in "flying home" to his wife in his Kaiser. For this serious student the future holds great promise. No doubt he'll make quite a mark as an architect.

OWEN L. DELEVANTE
436 2 Street, Carlstadt, New Jersey

Maybe that Harvard look fools some people but we know Owen's a typical Cooper Union architect. We wonder if his wife shares the glory of his good marks.

ALEXANDER DEMARAS
1258 Brook Avenue, Bronx

"Bubbles" is a camera, a pretty fair one too. He made so damn much dough he bought a recorder too. Now shutter-bug is a hi-fi (another kind of insect) but he swears that all he wants to be is an architect.

HARRY DERDERIAN
41-19 67 Street, Woodside

Noted for his beautiful blue eyes, his immortal soul, and being Vice-President of the Student Council, this aspiring architect has even been seen talking to engineers.

DAVID DITMARS
47 Hastings Road, Island Park

Dave hails from Island Park, Long Island and is one of the Island's best surf coasters. Neat, dextrous and original in his work Dave will go a long way in his professional field, as a mechanical engineer.

KENNETH T. DOWNS, JR.
46 Columbia Street, Islip

A former mailman, Kenny is now applying his talents as an Advertising man. One of C.U.'s best basketball players, we will all remember this wonderful guy's quiet smile and tall stature.

ROBERT T. DUFFEY
160-15 7 Avenue, Beechhurst

An Air Force veteran of World War II, Bob met and married his much better half while both were stationed in France. Although he outranked her in service, she managed to keep their two strapping boys in line, while he easily earned scholastic honors and membership in Tau Beta Pi.

STANLEY DUMOVICH
43-41 160 Street, Flushing

During the summer Stan "the man" tours the Eastern U. S. with a semi-pro basketball team. During the school year he attends conferences at West Point, travels as a member of the varsity basketball team and takes weekend trips to Green Camp. Occasionally you can find him in his chemical engineer classes, if he's not too busy with his many other extra-curricular activities.

JAMES DUNN
121 East 31 Street, Brooklyn

A member of the A.I.E.E., O.D.P., and the team of Dunn, Ohlmann, Kociuba, and Evans, consulting engineers (they'll consult anyone) Jim has been active as President of the Newman Club. Because of his bowling record for O.D.P., it is rumored that he was ostracized by the fraternity for four months.

MARC S. EISENMAN
447 Fort Washington Avenue, New York

All the adjectives associated with the suave continental are applicable to Marc. Marc will certainly make his mark in the Art World as well as outside of it.

GERALD EHRENSTEIN
4716 14 Avenue, Brooklyn

Dapper Jerry Ehrenstein's activities in the A.I.E.E., A.M.S. and on the literary staff of Cable are surpassed only by his gallant attempts at bowling. Jerry has also been active in the affairs of the Intercollegiate Zionist Federation of America. A man with an incomparable sense of humor, he has never been known to crack a smile.

DANIEL D. ETKIN
621 East 53 Street, Brooklyn

Dan is an eager M.E. who, it is rumored, works out the machine design problems completely. He spends his spare time in the practicality of differential equations. His main interest, other than his wife and children, is in the field of research and development.

LORING EUTEMEY
9 Revere Place, Brooklyn

"Eutey" is probably the most talented and well-liked member of the senior class, who distributed large amounts of humor and philosophical observances, beneficial to his classmates. His gorgeous illustrations, and his inspired advertising designs stamp him for a fabulously successful career.

GARY EVANS
2144 Story Avenue, New York

An O.D.P.er, A.I.E.E.er, and commodore in the Yacht Club, Gary is a member of the firm of Evans, Ohlmann, Kociuba, and Dunn, lady killers extraordinary. Proving himself a man of versatility, has also establis.

JACK EZRATTY
2109 85 Street, Brooklyn

Jack was one of those night M.E.'s whose sweet and loveable character was a joy and a comfort to his classmates. They will never forget his radiant personality.

HERBERT FEUERLICHT
36 Crescent Street, Hewlett

"Floorlight" is truly a major part of the colorful activities at Cooper. Herb is adored by the girls for his masculinity and dynamanism and is envied by the fellows for his tremendous collection of pipes. Instructors find Herb to be a constant source of constructive advice on how to teach.

ERNEST FEHER
510 East 79 Street, New York

Ernie always had his homework but liked at least six checks on the answer before submitting it. As former president of O.D.P., member of Pi Tau Sigma and the A.S.M.E., he carries a fine record with him to M.I.T. where he plans to study propulsion. Rocket ahead, Ernie!

ALVIN FISCHER
709 DeKalb Avenue, Brooklyn

Mrs. Fischer's boy accomplished several men's work in publishing the Cooper Survey virtually by his lonesome. A Tau Beta Pi and Chi Epsilon man, he also received the Schweinberg scholarship (to the delight of Minkin who didn't like the high interest rates on the open market).

RICHARD FLOHR
3974 Amundson Avenue, Bronx

One of a pair of identical twins; Dick is the strong silent type—silent in words but strong in thought. He has seen action with the Yacht and Rifle squads and is one of A.S.M.E.'s staunchest backers.

MAX FOGIEL
57 2 Avenue, New York

Whenever you ask Max a question be prepared for a barrage of basic material, a salvo of axioms and a quotation from Professor Merritt. A real hard conscientious worker, Max is bound to leave his mark in the M.E. field.

JERRY FRANKLIN
940 Grand Concourse, Bronx

Jerry is one of the brains of the senior class. Never known to do any work, he was nevertheless honored by T.B.P. Among a few of his sideline activities Jerry plays varsity basketball, is a skipper in the Yacht Club, a Student Leader at camp, Vice Ruler of L.S.K., high man of the class bowling team, and he goes out with girls. Occasionally he attends classes too.

ROBERT FRASER
67-38A 190 Lane, Flushing

Bob is the most informative sort of fellow. He can talk intelligently and extensively on subjects ranging from jazz to Schonberg and from Gide to risque anecdotes. To sum it up, he is a good guy all around.

JEROME R. FREED
645 Lefferts Avenue, Brooklyn

A really swell fellow, Jerry will long be remembered for his guitar playing and singing. He is a serious Advertising student, working in the field, and his greatest ambition is to live out West with his wife, Carol, in a ranch house, and illustrate covers for the "Saturday Evening Post." Good luck, Jerry.

ROBERT FREZZA
115 East 102 Street, New York

Throughout his six years at Cooper, he tried to absorb everything but a wife. Now that he has nothing left to do evenings, he's concentrating on a wife. Lots of luck, boy.

ALBERT FRIED
113 Debevoise Street, Brooklyn

Al was a Chem.E. but thought he wanted to be a writer, so as a Cable editor, they gave him the job of collecting these bits of slander. After searching for a fitting tribute to his high ideals, he decided that his most notable accomplishments at Cooper were: (a) He never hit a teacher, (b) He came on time to class on several occasions and (c) He graduated.

LENORA GARFINKEL
2114 Aqueduct Avenue, Bronx

"Like unto a mother—mother of more than Architecture."

ROBERT GASOI
1738 Union Street, Brooklyn
"Rocky" will some day relieve Norm Rockwell, Dohanos, and John Whitcomb of their jobs. Bob is a crackerjack illustrator who has defied the Cooper modernist movement all by himself. Who among us will ever forget his gorilla imitations?

DOROTHY A. GAVOR (KOPP)
200 West 83 Street, New York
Someone Kopped himself a fine wife in Dorothy. Here's hoping she's as proficient in the wifely arts as she is in the Arts. Best of luck, you two.

ROBERT F. GEBHARDT
208 52 Street, West New York, New Jersey
While shining up his Ford on weekends Bob wonders if this education he got as an architect will help him get that Cadillac he's set his eyes on. We think he's got a good start in that direction.

MURRAY GLASER
1902 East 1 Street, Brooklyn
This striving young engineer will have to keep busy playing such things as Dr. Pepper, high hole wild card not wild poker for the next 9,998 years. The silent E.E.'s gift to the C.E. rowdies, his long searching for eccentric refrigerator bearings and Transit quips certainly qualify him for some job or other.

UMBERTO GONZALEZ
c/o Martin, 281 Sterling Place, Brooklyn
"Ben" is a serious student, with a great deal of talent. One of the most original costumes at the gala social event of the senior year—the "Bal Masque" was Ben's. He had live mice prancing around in his chapeau.

DOROTHY GOODMAN
63 Gregory Boulevard, Norwalk, Conn.

Dotty's passions are for hair-do's, clothes, parties, art and men. Dotty's claim to fame is the fact that she collected more money for social activities in her three years than the March of Dimes.

SIDNEY GOODMAN
1520 Clinton Avenue, Bronx

"Symphony Sidney" is a very serious student who can present upon request a color analysis of any color painting you name. Sid strives for accuracy and exactness in his work, yet is a lively personality.

ROBERT GRANT
1730 Harrison Avenue, Bronx

Mr. Grant is deeply interested in all phases of art, including of course the models in the life classes. Bob is a good student and a most popular citizen of the halls of Cooper Union.

RICHARD GRAVEN
4100 43 Avenue, Queens

Whenever an instructor got Dick in a tight spot, he'd flash that Ipana smile and calmly wriggle out. A loyal O.D.P.er, Yacht Club Commodore, and Senior Prom chairman, Dick tried to remain a clean-cut, red-blooded American boy, but it was to no avail—his Chem.E. classmates corrupted him. It is rumored that he even tells dirty jokes now.

MELVIN GREEN
3014 Brighton 8 Street, Brooklyn

A student member of the A.I.E.E., our boy Mel can integrate and differentiate like nobody you ever did see. If every course in the Cooper Union were math he would be getting a Ph.D. this year instead of being a poor bachelor running back and forth to West New York.

GLORIA GREENBERG
1652 Popham Avenue, Bronx
"Googie" is an example of the right combination of the best possible human attributes. She has a great talent, a wonderful sense of humor and a wonderful faculty for listening to everybody's troubles.

MARILYN GREENFIELD
2980 Brighton 12 Street, Brooklyn
"Mickey" made the sweater an integral part of the dressing habits of Cooper girls, because she wore it to such noticeable advantage. A wonderful dancer and a charming person, she was well liked by all who knew her.

NORMAN GRINER
334 Foster Avenue, Brooklyn
A Casanova, Barrymore, Paul Rand, and Griner all rolled up into one frame, Norm has a talent for dramatics as well as for wooing the ladies and creating inspired advertising designs. Norm's endless flow of jokes kept our classes alive and kicking.

MICHAEL GUARRASI
1145 Hancock Street, Brooklyn
During the long grind, this diligent night C.E. became known as the class movie critic. His unconscious good humor was his prime characteristic.

WALTER GUSEW
258 Boerum Street, Brooklyn
Walter's classmates will always remember his helpful attitude and warm personality.

NATHAN HABERMAN
15 West 97 Street, New York

"Nat" was one of those night M.E.'s whose sweet and loveable character was a joy and a comfort to his classmates. They will never forget his radiant personality.

WILLIAM HAFLIN
39-56 50 Street, Woodside

Bill was an outstanding authority on those subjects in the encyclopedia ranging from aardvark to zytsplick and was glad to let anyone know about them. He applied his wide range of knowledge to many extra-curricular activities including chairmanship of the Green Camp Committee, treasurership of O.D.P., presidency of the Debating Society, A.I.Ch.E., etc. . . . etc.

ELSIE HALVORSEN
67-48 5 Avenue, Brooklyn

Elsie's Polka, her ready laugh, and her helpful attitude, placed her high on the list of loveable people. Her painting, etching, and designs reflect her tender sensibilities and great artistic talent.

ALLEN HAUGHWOUT
242 Clawson Street, Staten Island

Whenever you see a trench coat, an army winter hat and G.I. boots coming at you it's Allen. He swims the Hudson every day to avoid paying the ferry fare from Staten Island. A member of the Yacht Club Al holds the distinction of being the youngest graduating M.E. of 1952.

CHARLES HEIDENGREN
829 Lincoln Place, Brooklyn

Meet the elder of the Heidengren boys. He was President of A.S.C.E. at a time when three fourths of its members were active in something else and really had a job (that, in addition to keeping his rowdy brother toned down).

JOHN HEIDENGREN
829 Lincoln Place, Brooklyn

One of the C.E.'s Gold Dust Twins, Long John worked his way up to the Presidency of A.A. Official duties included getting Rosen to A.A. meetings on time, an unofficial one was keeping track of the number of treks Minkin makes to McSorely's.

BARBARA HEINZ
316 Prospect Street, Nutley

Millionaire heiress of the Heinz 57 Varieties, Barbara is a talented, intelligent, fine artist. Among her preferences, Barbara lists her art work, tasteful clothes and Mike.

JULIUS HELLER
575 Saw Mill River Road, Yonkers

Julie, a member of Chi Epsilon, entered school politics as Vice President of the night engineers. He used to frequent McSorely's accompanied by Al Anselmo.

PHYLLIS HICKS
151 Clinton St., Elizabeth, N. J.

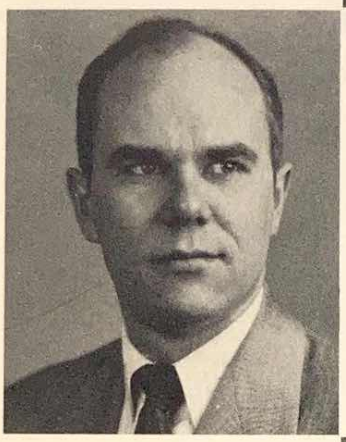
"Phil," as she is affectionately known by her evening Chem.E. classmates, has the unique distinction of being the only female engineer in the graduating class this year. A member of the A.I.Ch.E., her feminine charm is adequately supplemented by a lively wit.

EDWARD HIMLAN
147-15 15 Avenue, Whitestone

With a minimum of effort and a maximum of productivity, Ed managed to accumulate a college education, a wife, two children, and a home. He was a handy man to have around the lab when dealing with machines. Ed is also a member of the A.S.M.E.

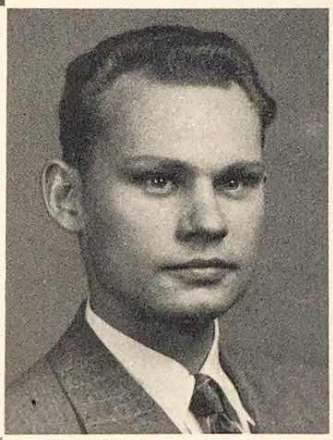
RUPERT HOOVER
23 Nostrand Avenue, Brooklyn

"Rupe" is married and has two little girls. President of the Cooper chapter of Tau Beta Pi, a member of Pi Tau Sigma, and student member of the A.S.M.E., he completed the course in only six years and even found time to attend sessions on the consumption of ale and hard boiled eggs at a nearby institution.



WILLIAM HOROZAN
545 East 5 Street, New York

Bloody Bill, as the head of S.K.T. is affectionately known, is a rare species of man—an engineering librarian. During his many years at Cooper, while studying Electrical Engineering, he acquired a great deal of experience in the library by being a staff member as well as a student. His familiar face will be missed by all those coming to the library with overdue books.



HAROLD HUBLEIN
94-23 46 Avenue, Elmhurst

It's the unanimous opinion of his classmates that Harry is probably the best engineer in the Ch.E. graduating class. The decision is not influenced by the fact that he is also one of the most well-liked fellows in the class. Besides becoming the world's leading authority on Perry's Handbook of Chemical Engineering, he also participated in intramural sports and was a member of S.K.T.

WALTER ILLG
459 Chauncey Street, Brooklyn

Keystone of the famed C.E. athletic machine, he spiked, shot, pitched, and bowled the C.E.'s to many a win. Much of his time was consumed operating a non-scheduled airline, Clemson to D.C. and New York to Green Camp with a fleet of four tires and a V-8.

GEORGE JONES
2741 East 21 Street, Brooklyn

George is a combination of personality, performance, and excellence. He is president of Pi Tau Sigma, secretary of A.S.M.E., and a member of Tau Beta Pi, the Newman Society, and the Cable staff. Few men have succeeded in reaching so many goals and still remained bachelors.

JOAN M. KAMINSKI
14 Belmont Avenue, Yonkers

Joan does not limit her excellent abilities to canvases alone, but also applies them to the designing of most of her personal wardrobe. She is a sensitive, fine artist and a capable professional textile designer. She will be smiling her way through Europe this summer—Bon Voyage!

BERNARD J. KANE
32-35 Jordan Street, Flushing

Part of a trio, with Chuck and Herb as the other two members. Barney is going to stop smoking, *he says*, and if he does, it will save us all a lot of money. He is noted for his dialect stories—particularly, Irish dialect—specifically, unprintable dialect.

LESTER KATZ
547 Jerome Street, Brooklyn

Industrious, original and conscientious in every phase of his work, Lest is the engineer at his best. As chairman of the A.S.M.E. he was largely responsible for the greater interest and participation the M.E.'s showed in this organization.

NORMAN L. KENNEDY
36 Poplar Street, Jersey City, New Jersey

Mr. K. commutes from N. J. to work in our city and spend his evenings in the pursuit of health, happiness, and architecture at C.U. We hope his wife will have reason to be proud of his future which looks pretty bright from this point.

FRANKLIN KESSLER
114-42 114 Street, Ozone Park

Frank is a study in perseverance and determination. He has been studying so long that he feels like a fixture of the school. Now, however, he knows he is not a permanent one.

FREDERICK KIRR
878 East 180 Street, Bronx

Freddie is the only married man of the M.E. day section—he started his courtship with this proposal, "You support me for 4 years and I'll support you for a lifetime," she accepted—take a hint, fellows. Fred, forever the original thinker, has stumped many a Prof, but he lets them off pretty easy.

HARVEY KIRSTEL
1915 Billingsley Terrace, Bronx

Quick to see the poetic and musical value of mathematics and with a tendency towards Psycho-symbo-primevality, Harvey has observed in past years that his head is growing smaller and smaller, i.e. shrinking.

THOMAS KOCIUBA
353 Cypress Avenue, Bronx

Tom's last name has been a source of continuous bewilderment and tongue twisting for his professors. An avid admirer of Cooper's secretaries (and other females), "honest" Tom has been treasurer of the Yacht Club and of A.I.E.E., president of his freshman class, camp student leader and social director of O.D.P.

DAVID KOHN
321 Avenue C, New York

Married to a former WAVE and the father of two daughters, Dave feels that after six years of night school, it's high time he became better acquainted with his women-folk. The bursting upon him of all this spare time, however, might prove too much of a shock, so he's planning on "decelerating" through Graduate School 'till he gets his Master's Degree.

EDWARD J. KOPP
130 Romaine Avenue, Maywood, New Jersey

It looks like Ed got through Cooper Union with more than just an architectural education. They now call her Mrs. His diversified fields of interests are exemplified by his favorite topic of conversation: back-siphonage.

ALEXANDER KUSH
55 South Walter Avenue, Trenton

Al's notes and doodlings are neater than most reports are. His amiable personality stacks up just as neatly too. This is one boy we can't say anything but good about. No doubt his fellow commuters on the Penn R.R. (all the way from Trenton!) will miss his presence as much as his Ch.E. classmates will, after graduation.

MICHAEL LAFORTEZZA
5409 80 Street, Elmhurst

His fellow Graphics students will miss the pranks and carefree attitude of "Lucky" Lafortezza.

HENRY LAWRENCE
27 Terrace Drive, Westwood

Henry was one of those night M.E.'s whose sweet and loveable character was a joy and a comfort to his classmates. They will never forget his radiant personality.

STANLEY LAZERUS
803 Avenue K, Brooklyn, N. Y.

Stan participated in many activities at Cooper, first as a day student and then as an evening student in Chemical Engineering. Among the more important of his activities were membership in A.I.Ch.E., L.S.K., Pioneer, Cable, Ex Post Facto, the Student Council, and courtship and marriage to Eleanore Cohen. To sum it up, he came, he saw, he conquered, he slept.

VICTOR LAZZARO
708 Ocean Avenue, Brooklyn

Quotes from The Venetian, ". . . I rather believe the baroque Renaissance forms are quite beautiful. We simply have to clean them up a bit you know. But they are gracefull"

MARTIN LEIMAN
1022 49 Street, Brooklyn

As a determined architectural student he has sown the seeds of his career. He will be remembered as a quiet, amiable fellow with many friends and no enemies. What more could anyone ask for?

WALTER LENK
215 West 92 Street, New York

His quiet unassuming manner disguises his excellence of performance. Walt is a member of Tau Beta Pi, a member and award winner of Pi Tau Sigma and a member of the A.S.M.E. He has consistently been high man in his class.

JESSE LEVINSON
3030 Brighton 12 Street, Brooklyn

The Brighton boy who made good at Cooper, Jesse will be remembered forever by all of the graduating class for the endless hours of hysterical laughter he provided for us. If Jesse doesn't make it with Young & Rubicam . . . there is always T.V.

RITA S. LOBELL
941 Leggett Ave., Bronx

A definite asset to C.U., and one of our most popular girls, Rita's record speaks for itself. Recipient of the Gold and Silver C's, she is Chairman of the Green Camp Committee and Student Leader of innumerable trips, a member of Lambda Tau, active with the Pioneer and Cable and other school activities. We hope Rita's future will be less hazardous than her 1952 skiing escapades.

FRED LOEWEN
1011 East 178 Street, Bronx

Chops down trees for free, practices Louis Quatorze design, then makes a financial killing and sleeps for the rest of the century.

VICTOR A. LOSCO, JR.
5915 Fourth Avenue, Brooklyn

If his wife ever hid his bow-ties he'd feel undressed. With his jovial and congenial personality Vic has made a host of friends among the evening school students, while studying architecture at Cooper.

MARGARET LUKS
64 Berkeley Place, Brooklyn

"Peggy" is possessed of an irresistible smile, with a charming personality to match. Always helpful, friendly and cheerful she is a girl who makes everyday life in the studios and classrooms an exotic experience.

MAURICE LYNCH
3675 Broadway, New York

Occasionally tardy, Maurice's love for a good game of bridge hasn't died. Between the Yacht Team and O.D.P., Maury has kept himself pretty busy during his stay at Cooper. His willingness to help out was as much of a trademark as that famed M.D.L.

JAY MAISEL
505 West 122 Street, New York

Jay paints in "emotional outbursts" and is a vibrant character all told. He is married and is very gallantly allowing his spouse to support him and put him through school. Everyone likes Jay . . . he's too hefty to dislike.

MILTON MARCUS
1110 Linden Street, North Valley Stream

Working by day and pursuing a mechanical engineering course at night is no picnic, but Milt staggered through six years of this and still found time to care for his suburban home and play for his daughter. He was also honored with membership in Tau Beta Pi and Pi Tau Sigma.

EDWARD F. MILLER
1125 Commerce Avenue, Union, New Jersey

A Navy veteran of World War II, Ed is married to his childhood sweetheart and is the proud daddy of three girls. Despite the handicap of india ink spilled on freshly completed tracings, and textbooks shredded by his little darlings, Ed was elected to Tau Beta Pi.

JOHN MILLER
17 Douglas Road, Glen Ridge

"J. B.," the all-American boy, takes his education seriously and will some day be art director for Fortune magazine. John is well liked and definitely a superior student.

IRVING MINKIN
666 Lafayette Avenue, White Plains

Irv was Vice President of A.S.C.E. and Treasurer of A.P., yet he was always broke. When it came to arranging beer parties or intercollegiate co-ed social events (?), Mink was top man. Nobody could drink more milk or beer, or eat more at Green Camp than Irv. And who else had a reserved seat at McSorley's?

ALFRED MOHR
190 Beach 92 Street, Rockaway Beach

Graphics' "Hopalong" Al is all he-man. Proof of this is the fact that he drinks beer for lunch. Al has a quiet, unassuming way of being good to everyone at all times. In three years he never uttered a cross word to a soul. Talented, handsome, intelligent, and regular, Al will go far.

DAVID O. MORETON
285 Burns Street, Forest Hills

If you ever need a copy of Grimm's Fairy Tales or the Kinsey Reports just ask Dave. He can get it for you wholesale. Remember this talent is in addition to the talents he has displayed as an architect.

BERNARD MORGENSTERN
85 Parkville Avenue, Brooklyn

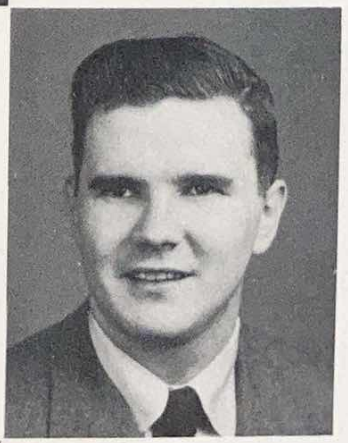
Here's one half of the married duo in the C.E. class (no, not to each other). Unofficially the official photographer of A.S.C.E., he's done a great deal in making A.S.C.E. affairs a success, but please, let's not see those movies of Camp Green again!

RICHARD NAJARIAN
33 Hopke Avenue, Hastings-on-Hudson

Dick spent six long years dreaming of the day he could retire (and he does mean retire!) to the New England countryside to spend his days hunting, fishing, and listening to the classics. Of course there's that small matter of an income, but what's a paltry eight-hour-a-day job to a night E.E.?

ALBERT NASH
20 Clinton Street, New York

Having trouble with a prof? Want to buy a senior ring? Al, President of the night engineering class, can fix it or get it for you. This Grover Whelan of the Bowery and raconteur without equal, will probably be the first to build highways on the moon!



WILLIAM M. NEUNER
237-15 Fairbury Avenue, Bellrose

Bill, Recording Secretary of Tau Beta Pi, is also a member of Pi Tau Sigma and the A.S.M.E. He belongs to that rare group of men who complete the six year night course in six years. Between his school activities, his work, and his numerous excursions to McSorley's, he occasionally finds time to see his wife, Lynn.

HARRY NIEWOOD
917 Greene Avenue, Brooklyn

After carrying his intense interest in Electrical Engineering from his high school days to Cooper Union's evening school, Harry finally managed to relax long enough to find time to appreciate the ballet. However, women still seem to elude him and we can only hope that some lovely doll will catch up to him after graduation.

VERA NORBY
3002 Avenue K, Brookyn

Vera is one of the bright lights of the class—pretty and popular and well-liked by all. She is talented in singing, dancing and ice skating, as well as art. Vera's dancing rendition of "Slaughter on Tenth Avenue" will long be remembered. We're sure she'll go places (perhaps Bermuda?).

MELVILLE OFFNER
5810 Farragut Road, Brooklyn

"Choo Choo" Offner, whose only regret is that he could not play halfback, is a connoisseur of art, fine liquors, and women. Long after Mel is gone from the Cooper Union he will be lovingly remembered by all for his sincerity, modesty, and consideration.

ROBERT C. OHLMANN
758 46 Street, Brooklyn

Raving about the A.I.E.E., of which he was chairman, Bob was also Secretary of T.B.P., a Yachtsman, and Past Manager of Intramural Basketball. Another of the infamous O.D.P. quartet of Dunn, Kociuba, Evans and Ohlmann, he has always thought Engineering School classes begin on the hour.

CHARLES PAPIRTIS
456 Argyle Road, Mineola

Chuck goes in for roosters—not the barnyard variety, but the Shutzy kind, which crop up in many of his major works. He has been an A student at C.U., a sensitive painter with an eye for good photography. He is generally in the company of his friends, Herb and Barney.

HAROLD I. PATTEK
633 Metropolitan Avenue, Brooklyn

The remaining member of an infamous trio, Harry's a good man with the angles—tri, that is. All he wants is a job which affords him enough time to pursue his first loves—brushes, oils and canvas. As tall as he is, he is usually hidden by his tremendous canvases.

TULLY J. PETTY
405 West 23 Street, New York

Known by his classmates as "The Texan," he has a print collection that surpasses any other. His love is graphics and has always been teased because of the great number of prints he makes in this class. (We wonder if he sells them in Texas.)

FREDERICK POKORNY
310 South 1 Street, Floral Park

The class astronomer, Fred spells engineering, "s-u-r-v-e-y-i-n-g". He really is a level-headed fellow and the only one we know who can walk a contour line.

ANDREW C. POLITIS
126 Carlton Avenue, Jersey City

This enterprising young architect hails from N. J. where he spends his spare time playing hop-scotch with his daughter. A hard worker, and conscientious, Andy deserves the best and undoubtedly will get it.

ROBERT POLITZER
625A West 164 Street, New York

Bob's thinking of going back to Cooper for another four years at night just to keep his little black book up to date. His lively manner and his likable personality are a great asset, and a delight to his fellow students.

EPHRAIM POLLACK
2075 East 16 Street, Brooklyn

Known as the politician of the evening Chem Engineers, Ephraim was a member of the A.I.Ch.E. and of the Cable. In addition to his many other talents, he lays proud claim to being an expert on Pennsylvania culture and on New York women.

HERBERT P. QUARMBY
57 Elm Avenue, Floral Park

Generally seen between Barney and Chuck, Herb is the quietest member of this trio. He works in a bank during the day, and reports to the National Guard on his night off. This advertising student's greatest talent is in illustration, and some day, perhaps, we may see his work in several magazines.

MICHAEL RAHN
224-441 Manor Road, Bellrose

With a six year break for service in the armed forces, Mike is really an old timer as a Coopernite. Both behind the wheel and the pencil he has shown himself to be quite a driver and does a bang-up job of both.

THOMAS RAMOINO
1105 Avenue Z, Brooklyn

The "Spark" of the Varsity Basketball Squad, Tom was forever in motion. A gag, a smile, a helping hand were his fo offer at a moment's notice. Raconteur, class wit and the example incarnate of the "No-Strain Theory of Engineering Education".

RICHARD RAVENHALL
116 Saxton Avenue, Sayville

The more time Dick has, the less he does and visa versa—that accounts for all homework being done during lunch hour. Dick hails from Sayville, Long Island and a more practical man is yet to be found, — the more theory he can convert to tangibles the happier he is.

DAVID REIFF
2116 78 Street, Brooklyn

Forever the inquirer, the searcher—if a gadget or a theory worked, Dave wanted to know WHY? If you missed a class—just look at Dave's notes, they read like the minutes of the last meeting. For his meticulous efforts he received Mark's handbook in Sophomore year for top M.E. honors and was elected to Tau Beta Pi—so maybe it pays off.

LEON RETTIG
511 Avenue K, Brooklyn

Originally a transfer student from CCNY, Leo has become so much a part of Cooper Union that he has been elected Prior of A.M.S. and vice-president of the Senior class. Though he remains unbonded as treasurer of the Student Council, there is no cause for worry, since Council has only enough money to buy pencils, paper, and marijuana for its members.

EARL ROGAK
2705 Kings Highway, Brooklyn

Among the more important of Earl's extra-curricular activities were pitching pennies on the fifth floor, ogling the girl artists, and attempting to start a Cooper Union edition of Popular Pornography (he calls it art). Despite such a crowded schedule of activities, he has still managed to find time for S.K.T., intramural sports and to do good work in his chemical engineering studies.

WANDA ROMAN
805 Fairmount Place, Bronx

Wanda has been active in the Newman Club, Hiking Club, and is also Secretary of the Camera Club. She could often be heard singing in the painting class, and would eventually get most of the class singing too. We wish her lots of luck in her new position in the advertising field, even though "traffic experience" does not mean directing autos.

ROBERT RONCHETTI
168-06 Linden Boulevard, Jamaica

Former Captain of the Rifle squad the "Ronch" made good his claim as the "eyes of the outfit" when he took 2nd top honors in the 1950 Gano Dunn Match. Bob is the proud possessor of six varsity athletic letters and helped greatly in pushing Intramural Bowling and Basketball teams to Championships.

WALTER ROSEN
2440 Bronx Park East, Bronx

A promising engineer, not to mention his future as a Marchant, Walt is also an up and coming historian, particularly on points south. Kingpin of the successful '51 A.P. drive and Vice-President of the A.A., his presence in the school caused a remarkable change in the C.E. class; the boys are giving up Red Dog.

ARTHUR ROSENBLATT
1777 Ocean Parkway, Brooklyn

Among us there exists a fellow who persists. Besides being sincere and wise, he continues to surmise, that his dogmatism is functionalism.

LEONARD ROSS
37-52 80 Street, Jackson Heights

Lenny will yield to a good argument, but let anyone tell this man of steel anything untrue concerning detailing—look out! His standard reply, "ahcomon", will always resound through the halls of Cooper.

IRWIN RUBIN
23 Blake Avenue, Brooklyn

His recent trip to Europe may have been the inspiration for "Rubin's mad canvases"; drippings resulting in weird shapes and the unusual. Although generally quiet, many of his classmates have found Rubin to be a good conversationalist. He plans to join the many other Cooperites in the immortal halls of Yale.

ELAINE RUBENSTEIN
1901 Walton Avenue, Bronx

Elaine was one of the sweetest of the night graphics. During her stay she added a certain vibrancy to Cooper's night life.

HENRY SADOWSKI
380 Bradford Street, Brooklyn

Henry has a car. This car serves as his mistress, wife, hotel, garbage disposal unit, and topic of conversation with Hal Ausfresser. It is even rumored that he does the polka with it. Moreover, it is said that he has made all the other members of S.K.T. do the polka with it.

ROBERT SAFFRAN
110-17 63 Drive, Forest Hills

Bob prepared for his Cooper Union entrance exam by first going to Georgia Tech. Now he'll study at McSorley's for his R.A. (Reelin Architects). Losh a luck to ya, Bob (hicl).

EDWARD A. SALMAGGI
1 Quentin Road, Brooklyn

Vaudeville's gift to C.U., Ed is a song-and-dance man of the "First Water". Son of the great opera impresario, Salmaggi, he has inherited his father's talent for show business, composing and directing. Future audiences wil probably be viewing examples of Ed's art in stage settings and designs.

STEPHEN SAWKA
2441 Webb Avenue, Bronx

School activities—letter for Varsity Rifle. Further studies—post graduate work in engineering and industrial management. Present position—Job Engineer in chemical plant design and construction. Ambitions — increased executive responsibilities. Dedication—Engineers, having mastered destruction, must learn leadership for peace. To my fellow engineers—best wishes for a full, rich life.

WILLIAM C. SCHURR
529 35 Street, Union City

Quote, "What a business!", unquote. Bill has one ambition in life, but the Mint has it cornered. From all indications, though, he'll get his share.

RAYMOND SCHWAB
8-01 College Place, College Point

President of Alpha Pi Omega, the Hiking Club, a Camp Green Student Leader, and sailing team member, Ray has been quite a beaver at Cooper. Good-natured, and game for any class affair, he's been somewhat of a sobering influence on some of the more outspoken men in his class.

GWEN SEINFELD
383 Quentin Road, Brooklyn

Graphic "Gwendy" was always in a state of utter confusion. We will recall pleasantly, her four and five hour conversations with instructors, her part time job at Bonwit, her latenesses, her fear of low grades, and her wonderful comic routines.

JOAN ALPERSTEIN SEMMEL
1312 Sheridan Avenue, Bronx

Joan dashed the hearts and souls of the male art students to the ground, when, during her senior year, she wed an engineering school grad. Besides being very active in school affairs, Mrs. Semmel paints inspired abstract designs. Watch for her "One Woman Shows".

WILLIAM SEWING
1820 Paulding Avenue, Bronx

Little Willy was always a good sport. He was a member of Alpha Phi Omega, and active in C.E. athletics (although attending one of the class games, that was difficult to prove, because you could never see him behind his six-foot teammates). He had a good voice.

HOWARD SIEGEL
209 Throop Avenue, Brooklyn

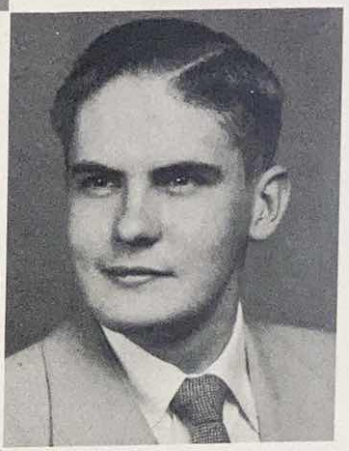
Among the more remarkable feats Howie performed at Cooper were memorization of the International Critical Tables, the Decline and Fall of the Roman Empire and Sandra's telephone number. By being an able and conscientious worker, Howie obtained a high cumulative, made Tau Beta Pi, and proved to be a valuable source for neglected homework assignments and notes.

WALTER SINNOT
134 Park Avenue West, Harrison

Wally (that guy next to Wichern) will always be noted for instituting the famed and frequent "break" system at Cooper. He will be long remembered by five per cent of his class for his prompt approval of "Sixty Minute Man". He doubles for well known faculty members at appropriate times.

LAWRENCE D. SHAYER
170 New York Avenue, Brooklyn

Larry is another of the lucky Chem E's who uses Pond's—he too is engaged. Never afraid to question, to doubt, or to "debunk", his clear, straightforward and frank arguments won the respect of most of his classmates and teachers. Like Diogenes, he is still searching for an honest man.



JAMES SIWIK
2011 East 13 Street, Brooklyn

A member of O.D.P., the A.I.Ch.E., and the varsity basketball team, Jim consistently won prizes as the best-dressed man in the Chem E class. (No mean feat among this elite group of dungaree fanciers.) With him, homework was a case of mind over matter: He didn't mind and the homework didn't matter.

LOWELL SMILEN
1701 Quentin Road, Brooklyn

A likable, unassuming guy, Lowell has through patient industry and clean living succeeded in raising his standings appreciably since the bleak days of the freshman year. A member of the nefarious local chapter of the Black Hand, S.K.T., he has nevertheless retained sufficient conscience to share his lab reports with classmates, even during F.Y.B. week.

MILTON SNYDER
1292 St. Johns Place, Brooklyn 13

Strangely enough, Milt's popularity rose tremendously when he acquired his famous "passion-wagon". In fact he became so popular he was even elected President of the A.I.Ch.E. and captain of his class basketball team. An earnest hard working young man, Milt is another expert in the parlor game of Mooftie-Wooftie. (Boy—does he make out!)

EVELYN SPIEGLER
316 West 103 Street, New York

This sweet and attractive young lady will be remembered for generally being late for class. Evelyn deserves a great deal of credit for tackling school in spite of her 24-hours-a-day job as the mother of a very young boy.

WILLIAM SPILKA
227 West Pine Street, Long Beach

Bill's favorite occupations range from two-dimensional designs to dixieland jazz on the trombone to Dotty G. An engaging chap with a ready wit whose posters for the A.P. had to be censored.

WILLIAM M. STARK
321 East 54 Street, New York

A wonderful guy. Bill is an extremely talented painter, a good photographer, and a free lance textile designer whose unusually decorative designs are always in demand. With this fine start, we know Bill will go to the top in the Art World. After his trip to Europe, Bill advises, beg, borrow or steal—but see Europe.

PATRICIA STATHIS
c/o Houseboat, 208 Street and 9 Avenue, N. Y.

New paintings seem never to stop coming from this very animated artist. She hates to stretch canvases because, "I'm anxious to get started!" Whenever there is a competition or project, Pat's sure to be working on it. She hopes to go to Europe soon—and paint while travelling.

DONALD E. STERN
48-61 213 Street, Bayside

Seemingly a quiet and serious architect, Don manages to surprise people, especially when together wtih Bob Politzer. This duet has had many weekend Green Campers in hysterics.

JULES STREISAND
20-65 33 Street, Long Island City

Julie is known as the guy who got an "A" in Electric Circuits II. An extremely neat and meticulous transcriber of lab reports and homework, he will even point out errors to those from whom he is referring. He composes poetry about caterpillars during Electromagnetic Waves, dedicating it fondly to Professor Sherman. For relaxation he translates Sanskrit novels into Babylonian.

JULIUS SZEGO
676 Riverside Drive, New York

Proud father of two blondes Julius will be happy to graduate from Cooper Union after having graduated from a Russian prison camp. His hobby was "Time" which was good enough for a Tau Beta Pi award, but unfortunately he had very little of it.

GEORGE PHILLIPS
348 East 9 Street, New York

Chi Epsilon President, Veep of Tau Beta Pi, and Captain of the basketball team, Sleepy served best as C.E. contact man with the Desert Rat. He did well scholastically and might even have been a school politician if his L.S.K. frat brothers didn't use a two-headed coin at party caucuses.

BARRY TOPCIK
32 Summer Street, Passaic

A member of A.I.Ch.E. and known as the next best golfer in the night Ch.E. class, this Jerseyite wants to do no more than make a million and live in luxury.

MAX TRAITE
216 Rochester Avenue, Brooklyn

The following is a list of Max's activities in Cooper: Pres. of Stud. Council, Pres. of Senior Eng. Class, Ruler of L.S.K., Vice-Pres. of Dramatic Club, Literary Editor of Cable, Manager of Intramural Bowling Tournament, Production Manager of AA Headlines, Sec.-Treas. of Ex Post Facto, etc. ad almost infinitum. Need more be said?

NICHOLAS TSIMARAS
188-17 Williamson Avenue, Springfield Gardens

T is for tidy, *S* is for sure, *I* is for industrious, *M* is for more guys like Tsimaras, *A* is for athletic, *R* is . . .

HERBERT READE
814 East 160 Street, Bronx

Herb is the designer of the class, having had his brilliant designs hung on many conspicuous walls in Cooper. Dark and handsome, he is happily married, and, after graduation, he intends to start supporting his spouse.

TAMARA VAN CUYK
14 Christopher Street, New York

Tam is a red-haired spitfire whose friends have found her very generous. She seems unapproachable at first, but underneath is a soft and tender personality. If there's anything you want to know about any piece of classical music, just ask Tam and her husband, who is an engineering student.

WILLIAM VAN ZWIENEN
404 Seventh Avenue, Brooklyn

"Big Bill", as about as easy going as they come —instead of getting excited he just sits back and "smiles the situation over". As a member of the Yacht Club, Bill is responsible for keeping many of the boats ship-shape and while not getting his feet wet he accounts for some Bowling and Volleyball.

CLYDE WALKER
80-08 35 Avenue, Jackson Heights

Clyde volunteered to be class representative of the A.S.M.E. in the fourth year. He held this position through the fifth and sixth years by popular demand (no one else wanted the job). Clyde never moves quickly during classes but when that final bell rings he is off like a shot to get home to his B.W.

GERHARD WALTER
c/o MacIvor, 145 East 82 Street, New York

An extremely quiet fellow, Jerry has by hard work backed by no inconsiderable amount of natural aptitude, almost attained the impossible— a straight "A" average. Foiled by a single "B" in Math IV, he has nevertheless gone on to become top man in the graduating class. Of course, he is a member of Tau Beta Pi class.

ABE WASSERMAN
788 Arnow Avenue, Bronx

Abe is one of the two men in the C.E. class that took the final step. He's been out west three times, and likes it so well it appears as if the team of Wasserman and Wasserman is going to settle down in Oregon. My, but you're getting out of New York.

DEANNE S. WEISS
2705 Bainbridge Avenue, Bronx

This Fine Artist will long be remembered for the charm, personality, good will, and good looks that always marked her presence.

CHARLES WERNLEIN
645 East 231 Street, Bronx

Number two man of the graduating class, Charlie has been one of the mainstays of the day E.E. class, always available with the correct solutions to the homework. He's the type of fellow who has the ability and the industry to carry him to the top. Charlie is starting out in a modest way however, contenting himself with the treasury watch in A.I.E.E. and membership in T.B.P.

NORBERT WESTHEIMER
640 Riverside Drive, New York

It would not be amiss to say of this night M.E. that the warmth of his heart was equalled only by the warmth of his liver and kidneys. He was always one of the most popular in his class.

CHARLES WICHERN
8804 79 Avenue, Glendale

"Switch" is a true lover of the finer music. His neat portfolio of homework was always ready for distribution and was as sure as the rock of Gibraltar (well, almost). Charlie's athletic prowess was in no small way responsible for the success the C.E. team has seen in the various intramurals.

LEROY WILSON
488 Grand Concourse, Bronx
Quite quiet this quack, this quack quite quiet. This quack quiet? Quite! "Wilson, that's all!"

HERBERT YAVELL
2804 Brighton 8 Street, Brooklyn
This boy is Cooper's Intellect in Residence. He is the same Herb Yavell of whom Dr. Zucker once said, "Zees young man is a cheenius". We shall all regret no longer having the opportunity of getting our dreams analyzed, for free, by Herb.

SIDNEY ZIGAS
680 East 235 Street, Bronx
Sid's favorite sport was bowling and could he bowl! A night school graphic artist, he was a member of the bowling team for three years and received the A.A. three year award in his senior year. Sid was co-captain of the bowling team in his third year and captain in his senior year.

WILLIAM ZSCHALER
188 Wadsworth Avenue, New York
Quiet, unassuming but an engineer "par excellence", Bill thrives on an air of complacency. The former Commodore of the Yacht Club had the toughest time explaining the salt flakes on his yachting jacket—especially since he claims he didn't get wet.

SIDNEY A. METCALFE
182 Hillside Terrace, Staten Island
Forever engraved in our minds is the man who went through with a six inch slide-rule. "Where's Metcalfe?" could always be heard at every roll call. This aero-engineer came through with flying colors.

alumni association

President, Jack U. Gould
First Vice-President, Joseph Rofman
Second Vice-President, Nicholas M. Molnar
Secretary, David T. Samson
Treasurer, Hercules C. Cuttica
Executive Secretary, Flora I. Fergenson

With your graduation from The Cooper Union undergraduate body, you become an "immediate" member of a much larger branch of the Cooper family—THE COOPER UNION ALUMNI ASSOCIATION. Close to 2,000 men and women are your "close relatives" now—the active members of the Association. And all of them, individually and collectively, stand ready to extend a helping hand to a fellow alumnus.

The purpose of the Alumni Association is twofold. It is, in brief, to help the school and to help Cooperites. Much of the help to the school is, of course, financial. During the past year contributions were made to all the athletic clubs and teams, to enable them to function, and to THE PIONEER. A particular protege of alumni is the Yacht Club, whose boats were financed by the Alumni Association. Prizes and awards for academic excellence are given annually.

The Cooper Union Fund, which quadrupled in the two years between 1948 and 1950, reflected the growth in membership and activity of the Alumni Association. Alumni Pond at Green Engineering Camp was created by the construction of the dam which was built with more than $12,000 raised in an intensive drive of less than three months.

As an alumnus you will be entitled to help yourself to the many facilities, activities and opportunities offered by the program of the Association. Do you want to exhibit your paintings? The newly formed Peter Cooper Gallery offers facilities for a showing at small personal expense. Or, are you going to take the examinations for a professional engineer's license? The Alumni Association's P. E. Review Course is a planned and proven "cram" course expressly designed to prepare you. The course is nominally priced and members are given a special discount as well as preferred enrollment.

Or you can keep your hand in at the Sketch Class. Or maybe you would like to hear leading professional alumni tell about interesting and little known angles of their (or your) specialties, or discuss subjects of general interest. These at the monthly General Meetings. (Refreshments afterwards.)

Athletic events, social events which include the gala Founder's Day Dinner-Dance and the weekend outing at Green Camp in September, work on the Alumni News or other committees, all these enable you to get even more than you give, to keep in touch with your classmates and to meet other alumni, to develop skills and to form valuable contacts.

The lounge of Alumni House on West 53rd Street is available for class meetings and group get-togethers.

The Alumni Association looks to its younger members, among whom the class of 1952 is now taking its place, for fresh stimulus and active participation in all its activities. It welcomes you to The Cooper Union alumni family.

Harold Ausfresser
Frank Babos
Robert Duffey
Alvin Fischer
Walter Lenk
George Jones
Edward Miller
David Reiff
Howard Siegel
Gerhard Walter
Charles Wernlein
Charles Wichern
Milton Marcus
Philip Beischer
Walter Bell
Alan Berndt
Alan Bessen
Ralph Cooper
William Coughlin
Ronald Mayrbaurl
Donald Murphy
Walter Oettinger
Abraham Schneider
Michael Shostak
Alexander Solla
George Strickholm
Charles Walker
Alfred Zacharias

Left to Right, Back Row: R. Mayrbaurl, C. Wichern, W. Lenk, G. Walter, G. Strickholm, J. Franklin, H. Siegel, W. Oettinger, D. Reiff. Front Row: G. Jones, A. Solla, R. Ohlmann, G. Tishkewitz, R. Hoover, W. Neuner, C. Wernlein, F. Babos.

tau beta pi

President, Rupert Hoover
Vice-President, George Tishkewitz
Recording Secretary, William Neuner
Corresponding Secretary, Robert Ohlmann
Treasurer, Charles Wernlein
Cataloguer, Jerrold Franklin
Advisors, *Professor Miller*
Professor Vopat
Harold Hochstadt
Philip Auerbach

The New York Iota Chapter of Tau Beta Pi again conducted its free tutoring program during the summer of 1951. The fine performance of the students on the re-exams was gratifying to all Tau Beta Pi men who helped make the program possible.

This is typical of the work being done—a conscious effort on the part of these few students to make a significant contribution to the student body of The Cooper Union.

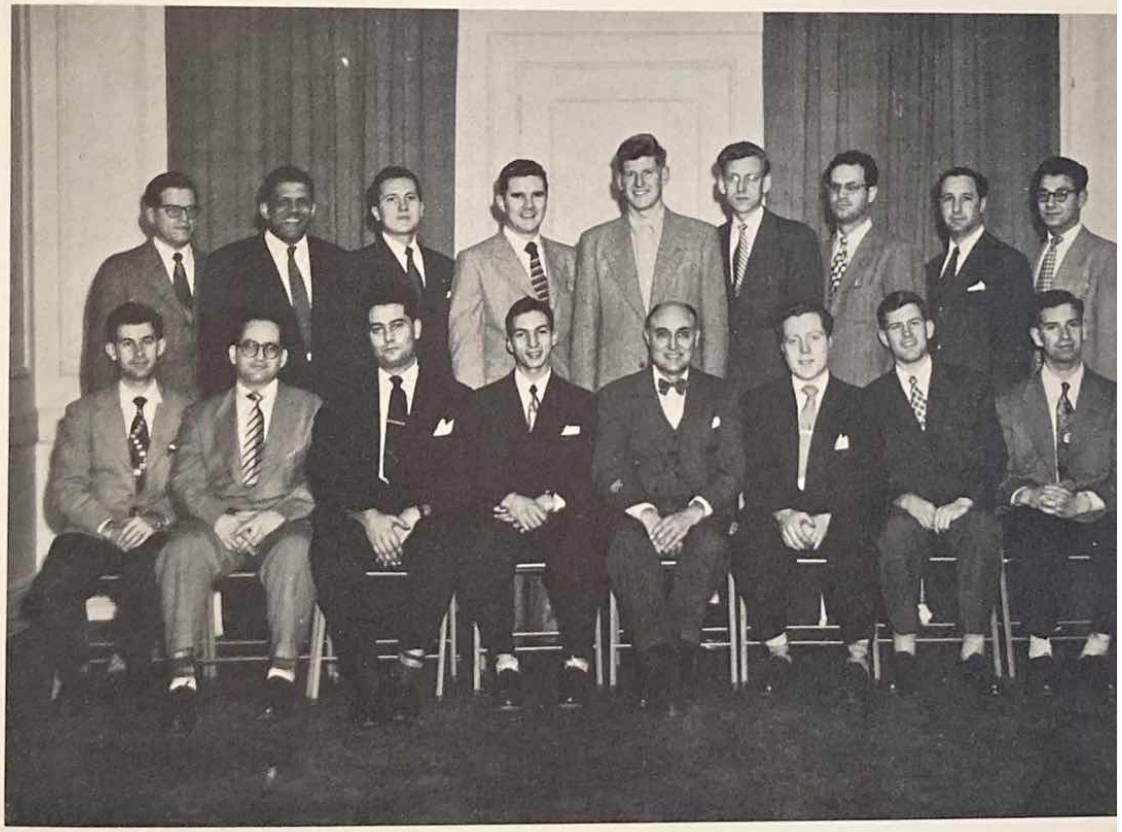
President, George Jones
Vice-President, David Reiff
Treasurer, William Zschaler
Recording Secretary, Benjamin Bryton
Corresponding Secretary, Lester Katz
Advisors, Professor Vopat
Professor Kut

pi tau sigma

The Cooper Union Pi Phi Chapter of Pi Tau Sigma was founded to honor outstanding students of the Mechanical Engineering Department and to serve as a link between the faculty and the student body.

The students accepted for membership this year were of the highest caliber and it is hoped that the Mechanical Engineering students in the future will continue to strive for excellence of character and scholarship.

Walter Bell
Leonard Berkowitz
Benjamin Bryton
Ernest Feher
Arthur Fitzgerald
Norman Hammer
Rupert Hoover
George Jones
Lester Katz
Frederick Kirr
Walter Lenk
Melvin Mathisen
William Neuner
Walter Oettinger
Irving Pedowitz
David Reiff
Alexander Solla
William Zschaler



Left to Right: Back Row: *L. Bell, R. Hoover, E. Feher, W. Neuner, I. Pedowitz, M. Mathisen, W. Lenk, W. Oettinger, L. Berkowitz.* Front Row: *A. Solla, N. Hammer, B. Bryton, D. Reiff, Professor Vopat, G. Jones, W. Zschaler, L. Katz.*

The American Society of Mechanical Engineers Student Branch in The Cooper Union was set up this year to function as a smooth running organization from within. Separate committees were elected to run every phase of the society's activities. These committees included: The Films; Student Papers; Annual Dinner; Program; Plant Trip; Publicity; and Speakers Committees. This plan fostered interest throughout the membership.

american society of mechanical engineers

Left to Right, Top Row: N. Gordon, D. Reiff, J. Field, F. Kirr, W. Zschaler, R. Patterson, R. Menchen, J. Trapkin, R. Linder, H.Cahn, A. Haughwout, L. Berkowitz, S. Seroka, W. Oettinger. Middle Row: K. Perine, P. Heller, F. Decaminada, I. Pedowitz, Prof. Vopat, L. Katz, E. Luber, H. Ebenfield. Bottom Row: R. Ronchetti, T. Ramoino, N. Becker, R. Lessem, R. Ravenhall, I. Rubin, M. Kussoy, G. Kanner, A. Goodridge, S. Aronoff, D. Daniel.

Chairman, Lester Katz
Vice-Chairman, Irving Pedowitz
Treasurer, Frank Decaminada
Faculty Advisor, Professor Vopat

President, Charles R. Heidengren
Vice-President, Irving Minkin
Secretary, Harry Morgan
Treasurer, Carl Garbe
Faculty Advisor, Professor Eichler

Left to Right, Top Row: *L. Goldberg, G. Wedemeyer, C. Wichern, J. O'Connor, A. Kushnick, H. Grevenitz, J. Fischer, B. Morgenstern, R. Schwab, W. Sinnott, W. Kruse, M. Ames.* Middle Row: *G. Tishkewitz, J. Chromy, I. Minkin, C. Garbe, C. Heidengren, C. Nelson, A. Chajes, A. Fischer.* Bottom Row: *M. Glaser, M. Lynch, W. Illg, A. Wasserman, R. Mayrbaurl, W. Sewing.*

american society of civil engineers

The Student Chapter of the American Society of Civil Engineers serves a dual purpose at The Cooper Union. It provides a valuable link between the students and the professional world, and also engages in many social activities.

In the professional world, the Chapter arranges lectures by outstanding engineers and students. Student papers are encouraged and field trips are organized.

The chief social events of the year sponsored by the Chapter are the Annual Dinner and the Sophomore Beer Party.

An engineer maintains and strengthens his professional status by early affiliation with a national society. For the Chemical Engineering student, membership in the Student Branch of AIChE helps the budding engineer to develop the "professional attitude" so imperative to success. Special thanks to the faculty advisor, Professor J. M. Peterson for his valuable aid.

american institute of electrical-radio engineers

Left to Right, Top Row: *Prof. Peterson, M. Lippman, N. Klebanoff, H. Lubitz, J. Lewis, A. Berndt, M. Ortega, N. Simon, H. Rivkowich, A. Kush, F. Shinagel, S. Barnett, D. Ifshin, S. Dumovich, H. Hublein, S. Kurzius.* Middle Row: *H. Siegal, M. Kladko, S. Brief, D. Hershey, M. Snyder, J. Morris, A. Fried, B. Haflin.* Bottom Row: *T. Sigman, C. Grun, V. Vaillancourt, R. Cooper, L. Gabay, J. Davis, L. Shayer, D. Graven, I. Zweibel.*

President, Milton Snyder
Vice-President, Dan Hershey
Secretary, Joseph Morris
Faculty Advisor, Professor Peterson

Chairman, Robert Ohlmann
Vice-Chairman, Gerald Ehrenstein
AIEE Secretary, Israel Kalish
IRE Secretary, Gerhard Walter
AIEE Treasurer, Charles Wernlein
IRE Treasurer, Lowell Smilen
AIEE Advisor, Professor Starr
IRE Advisor, Professor Sherman

Left to Right, Back Row: *B. Horozan, T. Kociuba, R. Bingham, M. Traite, J. Franklin, A. Bessen, L. Rettig, H. Sadowski, J. Streisand.* Bottom Row: *C. Wernlein, G. Walter, R. Ohlmann, G. Ehrenstein, I. Kalish, L. Smilen.*

american institute of chemical engineers

The aim of the Cooper Union Joint Student Branch of the American Institute of Electrical Engineers and the Institute of Radio Engineers is to develop within its members an understanding of Electrical Engineering and a familiarity with the type of work performed by professional men in industry. To accomplish this, a wide variety of subjects is considered at meetings which follow the principle of correlating field trips and lectures.

Fratres in Collegio
Sheldon Aronoff
Fred Reiner
Larry Block
Julian Lewis
Theodore Sigman
Alexander Demaras
Israel Kalish
Rita Lobell

Left to Right, Back Row: *A. Demaras, T. Sigman, J. Lewis, L. Block, F. Reiner, S. Aronoff.* Front Row: *M. Spector, R. Lobell, R. Waldman, I. Kalish.*

lambda tau

Chancellor, Murray Spector
Vice-Chancellor, Richard Waldman
Secretary-Treasurer, Herbert Feuerlicht
Faculty Advisor, Mr. Malcolm Stitch

Lambda Tau is the final resting place of all those who in some editorial capacity have shed at least five pints of blood to see that The Pioneer was published. The editors of this year's Pioneer taxed their veins more strongly than ever before and succeeded in putting the paper on a regular basis for the first time in three years.

President, Emmett Covello
Vice-President, Maurice Lynch
Secretary, Gary Evans
Treasurer, Robert Ohlmann
Advisor, Dean Towle

omega delta phi

At the turn of the century, a group of students at The Cooper Union, motivated by the desire to strengthen the friendships made at school, founded Omega Delta Phi Fraternity. In 1913, the brotherhood was incorporated. Two years later, the original evening school body was granted a charter as Alpha Chapter of Omega Delta Phi. In 1928 the day school students organized the Delta Chapter. The ideals and purposes of the founders have been adhered to and it is upon these principles that the strength of the fraternity is built.

Fratres in Collegio
Alexander Adams
George Brosky, Jr.
Emmett Covello
Frank Decaminada
Stanley Dumovich
James Dunn
William Elhoff
Gary Evans
Joseph Fischer, Jr.
Carl Garbe
Richard Graven
William Haflin
Allen Haughwout
Walter Kaehler
Peter Kahrs
Robert Kolb
Thomas Kociuba
Joseph Lechleider
John Lynch
Maurice Lynch
Ronald Mayrbaurl
Edward McCabe
William Muhlker
Robert Ohlmann
Thomas Ramoino
Richard Ravenhall
Robert Ronchetti
James Siwik
Robert Skowronek
Daniel Starrett

Left to Right, Top Row: E. McCabe, F. Decaminada, R. Ronchetti, G. Brosky, W. Kaehler, W. Haflin, J. Lechleider. Middle Row: D. Starrett, R. Ravenhall, R. Graven, R. Skowronek, J. Siwik, S. Dumovich, J. Fischer, W. Muhlker, J. Dunn, J. Lynch. Bottom Row: A. Adams, T. Kociuba, R. Ohlmann, E. Covello, M. Lynch, G. Evans, W. Elhoff.

Fratres in Collegio

Robert Alwitt
Arthur Baron
Lazarus Block
Robert Booman
Norbert Brackelmanns
Ralph Cooper
Frederick Dornheim
Arnold Goodridge
Paul Heller
Israel Kalish
Martin Kladko
Stanley Lazerus
Harry Morgan
Louis Libelo
John O'Connor
Manuel Ortega
George Tishkewitz
Vincent Vaillancourt
Albert Vaillant
Richard Waldman

Fratres in Facultate

Professor H. F. Roemmele
Professor H. W. Merritt
Professor W. A. Vopat
Honorary Fratre
Professor J. M. Peterson

Left to Right, Back Row: *Prof. Peterson, R. Waldman, R. Alwitt, M. Kladko, N. Brackelmanns, G. Tishkewitz, M. Ortega, J. O'Connor, I. Kalish, P. Heller, A. Goodridge.* Bottom Row: *R. Cooper, L. Block, S. Aronoff, D. Daniel, M. Traite, J. Franklin, V. Vaillancourt, F. Dornheim.*

lambda sigma kappa

Ruler, Max Traite
Vice-Ruler, Jerrold Franklin
Exchequer, Sheldon Aronoff
Recording Secretary, David Daniel
Corresponding Secretary, Vincent Vaillancourt
Faculty Advisor, Professor W. A. Vopat

Lambda Sigma Kappa, from its inception in 1905 to the present, has maintained as one of its basic tenets the ideal of non-sectarianism. This provision of the fraternal code states that men are to be considered for induction on the basis of character and scholarship alone, with no consideration given to factors of race, creed, or color.

During the school year, teams are entered in many of the intramural tournaments. Social functions include parties at and away from the fraternity house, picnics, roller skating, etc.

President, William Horozan
Vice-President, Lowell Smilen
Recording Secretary, Alan Kushnick
Corresponding Secretary, Dan Hershey
Treasurer, Earl Rogak
Advisor, Professor Caldiero

sigma kappa tau

Sigma Kappa Tau was founded in the spring of 1947 by a group of engineering students who were dissatisfied with the existing conditions in school groups at the time. SKT is a non-sectarian organization, believing that the fundamental bond of fellowship and common interest, diligently cultivated, will result in the most satisfactory relationship among mankind. The primary aim of Sigma Kappa Tau is to foster good fellowship among its members.

Fratres in Collegio
Alex Chajes
Herbert Ebenfield
Leopold Gabay
Daniel Hershey
William Horozan
Harold Hublein
Donald Ifshin
Shelby Kurzius
Alan Kushnick
Marvin Kussoy
Earl Rogak
Henry Sadowski
Daniel Schochet
Lowell Smilen

Left to Right, Top Row: *M. Kussoy, H. Ebenfield, D. Ifshin, D. Schochet, L. Gabay, H. Hublein, S. Kurzius.*
Bottom Row: *A. Chajes, D. Hershey, L. Smilen, B. Horozan, E. Rogak, H. Sadowski, A. Kushnick.*

Prior, Leon Rettig
Vice-Prior, David Reiff
Exchequer, Gerald Ehrenstein
Recording Secretary, Herbert Lubitz
Corresponding Secretary, Julian Lewis
Faculty Advisor, Mr. Feldman

alpha mu sigma

In 1914, the Alpha Mu Sigma Fraternity was founded here at The Cooper Union. Its aims then were the same as they are now, namely: to promote and foster friendships made at school and to become a center of social, scholastic, and athletic activity. It has succeeded admirably in all these purposes.

Of course, the center of all activity is the fraternity house which combines the best features of a lounge and library. Here parties and dances, as well as many study sessions are held.

Fratres in Collegio
Norman Becker
Leslie Berlot
Edwin Drogin
Jerome Davis
Richard Ehrlich
Norman Gordon
Jerome Heitner
Philip Harding
Sheldon Heller
Seymour Katzman
Paul Liebman
David Meyers
Morris Rosenberg
Theodore Sigman
Murray Spector
Edward Schecker
Marvin Schnapp
Imre Zwiebel

Left to Right, Top Row: *I. Rubin, P. Liebman, L. Goldberg, L. Berlot, N. Gordon, M. Lewis, D. Meyers, M. Spector, M. Jacobs, I. Zwiebel, S. Heller, A. Gelbein.* Middle Row: *J. Davis, J. Lewis, H. Lubitz, D. Reiff, L. Rettig, G. Ehrenstein, R. Ehrlich, N. Becker.* Bottom Row: *T. Sigman, P. Harding, F. Reiner, S. Spader, S. Glassman, E. Drogin, E. Schecker.*

Our Intramural Record

	1950 Championship
	1951 Second Place
Basketball:	*1952 Second Place*
Bowling:	*1951 Second Place*
Softball:	*1951 Championship*
Volleyball:	*1950 Second Place*
	1951 Championship
	1952 Championship

farewell!
we had fun here

Left to Right, Standing: B. Morgenstern, N. Brodesser, M. Glaser, A. Wasserman, R. Schwab, J. Heidengren, J. Chromy, G. Tishkewitz, M. Lynch, W. Sinnott, E. Covello, C. Heidengren, C. Wichern, W. Rosen. Kneeling: R. Berger, A. Fischer, I. Minkin, W. Sewing, W. Illg, A. Chajes.

Will we ever find out:
Why aren't we taping?
So what can happen?
How come our Fire Marshal is leading the way?
Gentlemen, this is a what?
Will any of us make good engineers?

On our shelf:
Leroy is my friend!
Wait, Alias, wait!
You missed the boat!
You just gotta see it!
Get out of New York!

Don't Forget! We meet each year on the Saturday immediately following Thanksgiving. Come alone, with your girl, or with your wife. Keep Posted! Let the class secretary know where you are and what you're doing. 1952 Secretary: Walt Rosen, 2440 Bronx Park East, Bronx 67, N. Y.

F. Pokorny
M. Guarrasi
F. Kessler
A. Cohen

civil engineers—night

B. Mehlman
O. Anselmo
F. Rabos
J. Heller
A. Nash
L. Ross

E. Himlan
R. Frezza
J. Ezzratty

mechanical engineers—night

W. Neuner
M. Chanin
E. Feher
W. Lenk
S. Sawka
R. Hoover
M. Rahn
H. Lawrence
B. Bryton
C. Walker
D. Etkin
G. Jones

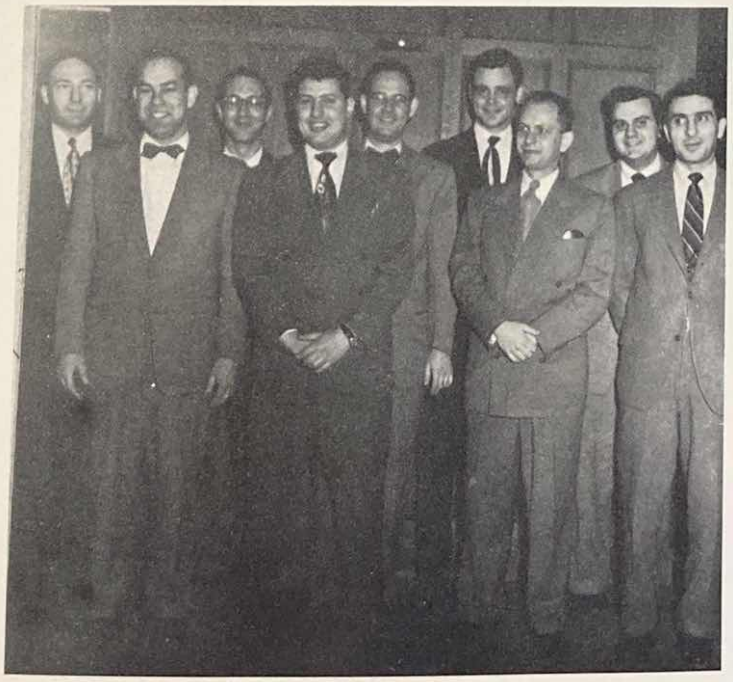
G. Fischer
William Sewing
C. Schiff
J. Maiman

alpha phi omega—formative group

L. Kittiver
I. Katz
R. Schwab
H. Feuerlicht
Mr. Reiziss
J. Chromy
J. Tierney
K. Ulreich

electrical engineers—night

H. Breindel
M. Cohen
E. Miller
M. Green
D. Kohn
R. Duffey
J. Szego
H. Niewood
R. Najarian



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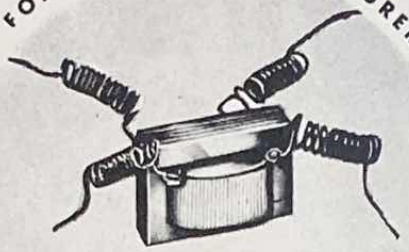

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U. S. Government Securities	394,123,141.67
State, Municipal and Public Securities	27,903,250.85
Federal Reserve Bank Stock	1,200,000.00
Other Securities	849,940.00
Loans and Discounts	143,034,599.81
Real Estate Mortgages	429,634.42
Customers' Liability on Acceptances	1,123,219.63
48 Banking Houses	7,611,661.39
Accrued Income Receivable	1,858,007.84
Other Assets	562,926.64
	$840,738,752.92

LIABILITIES

Capital (750,000 Shares of $20 Par Value)	$15,000,000.00	
Surplus	25,000,000.00	
Undivided Profits	8,910,070.32	$ 48,910,070.32
Reserve for Taxes, Expenses, etc.		1,754,524.76
Acceptances Outstanding	$2,983,686.91	
Less: Held in Portfolio	1,560,167.03	1,423,519.88
Deposits		788,650,637.96
(Includes $12,325,007.06 U. S. Deposits)		$840,738,752.92

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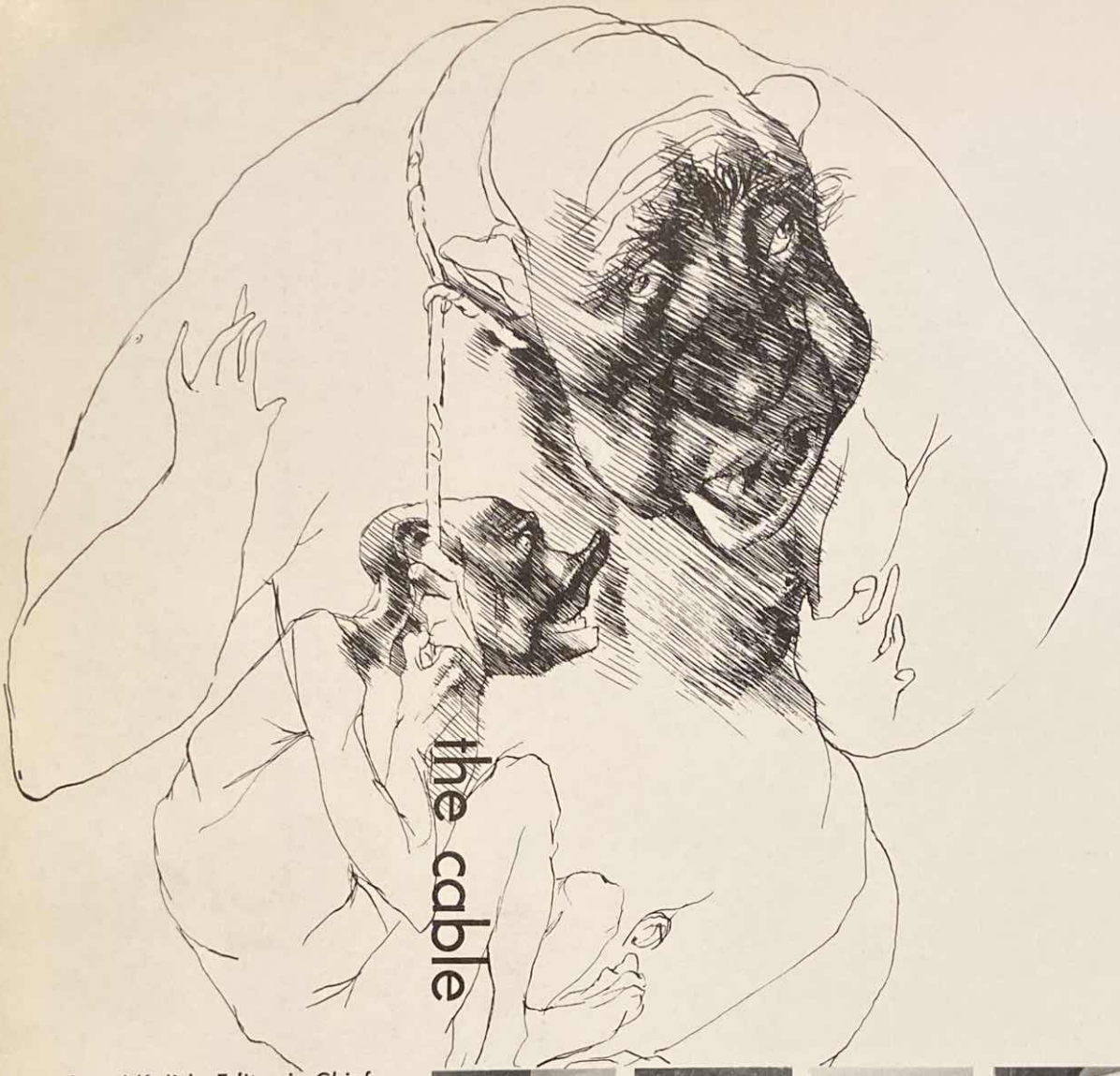

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